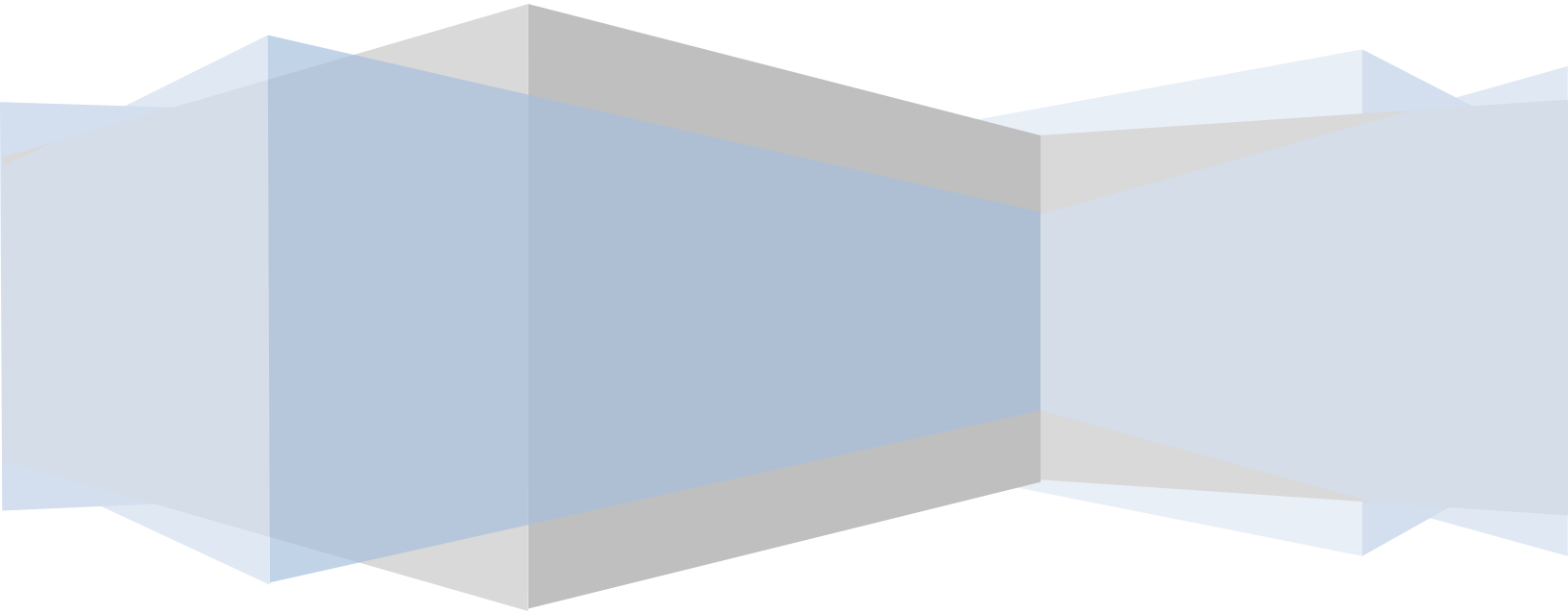
AdvisoryWorld
FINANCIAL TECHNOLOGY

SCANalytics

SCANalytics: Manual v2.0



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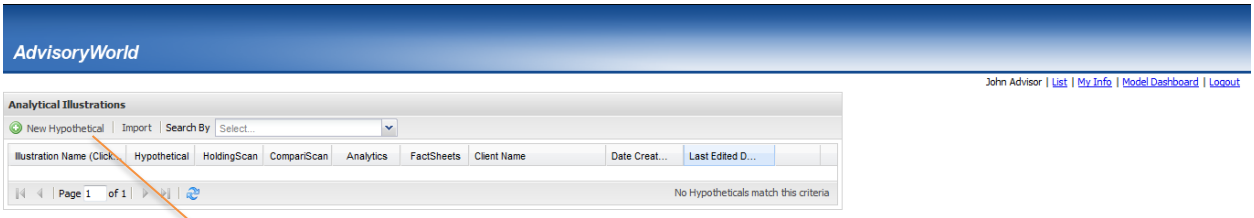
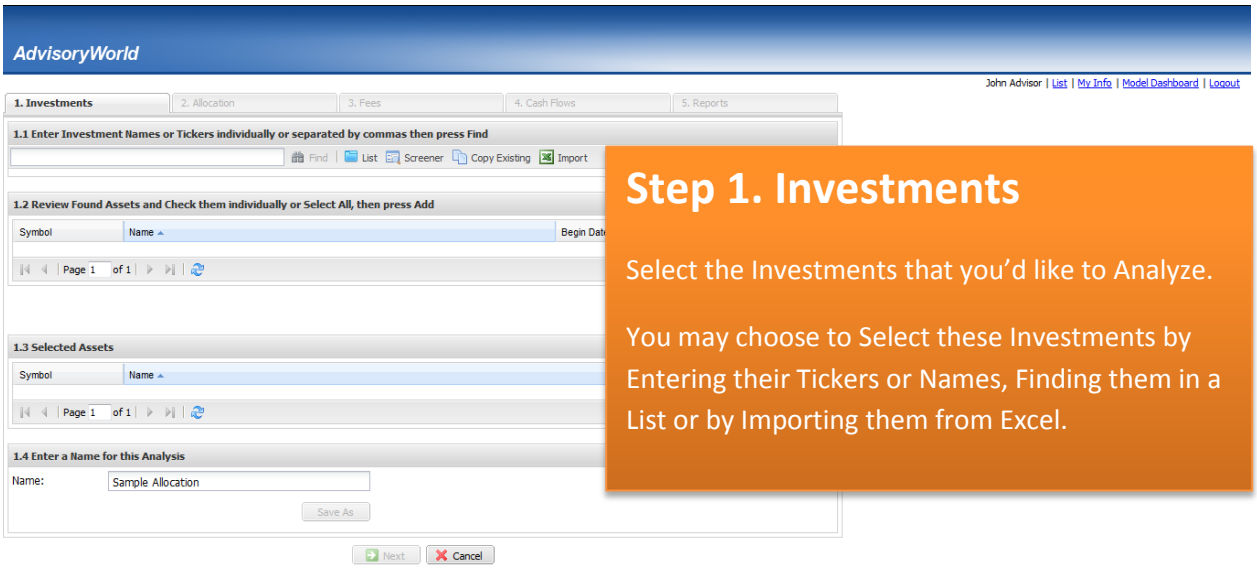

AdvisoryWorld
John Advisor | List | My Info | Model Dashboard | Logout
Analytical Illustrations
New Hypothetical | Import | Search By Select...
Illustration Name (Click... | Hypothetical | HoldingScan | CompariScan | Analytics | FactSheets | Client Name | Date Creat... | Last Edited D...
Page 1 of 1
No Hypotheticals match this criteria

The Hypothetical List page is the "Home Page" of the Application.

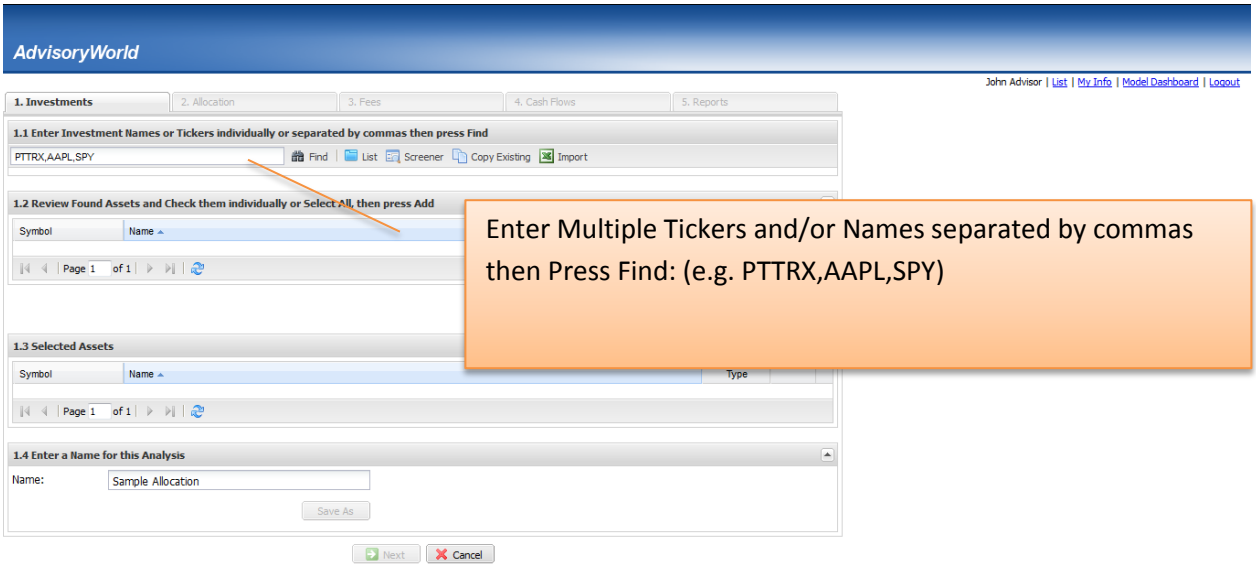
Create a New Hypothetical by Pressing "New Hypothetical"


AdvisoryWorld
John Advisor | List | My Info | Model Dashboard | Logout
1. Investments
2. Allocation
3. Fees
4. Cash Flows
5. Reports
1.1 Enter Investment Names or Tickers individually or separated by commas then press Find
Find | List | Screener | Copy Existing | Import
1.2 Review Found Assets and Check them individually or Select All, then press Add
Symbol | Name | Begin Dat
Page 1 of 1
1.3 Selected Assets
Symbol | Name
Page 1 of 1
1.4 Enter a Name for this Analysis
Name: Sample Allocation
Save As
Next | Cancel

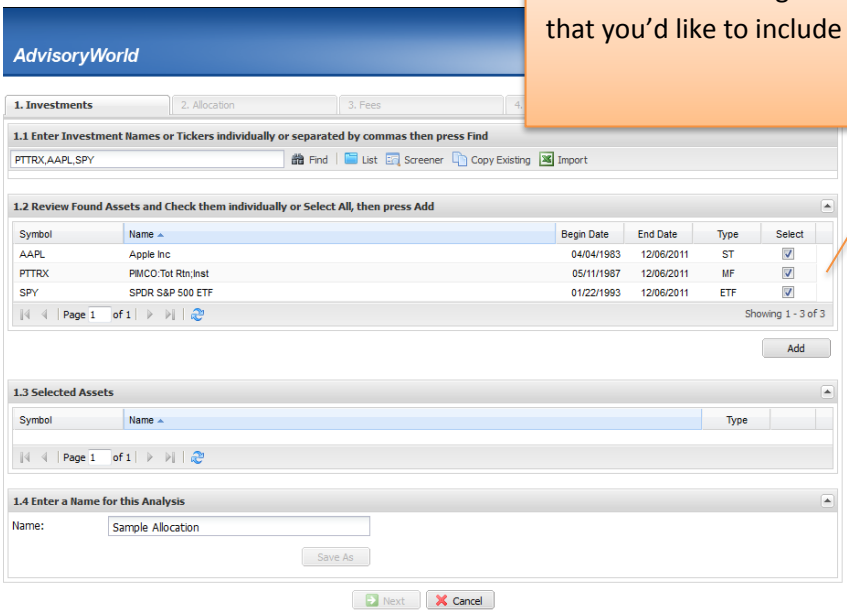
Step 1. Investments

Select the Investments that you'd like to Analyze.

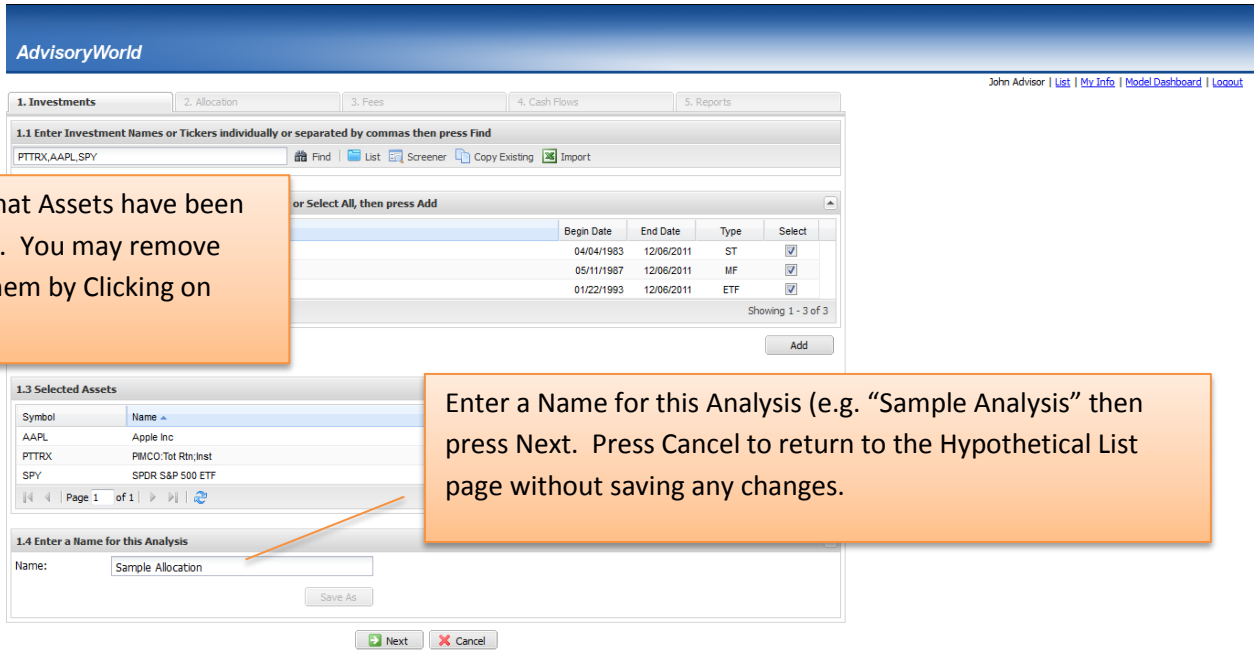
You may choose to Select these Investments by Entering their Tickers or Names, Finding them in a List or by Importing them from Excel.



Enter Multiple Tickers and/or Names separated by commas then Press Find: (e.g. PTTRX,AAPL,SPY)

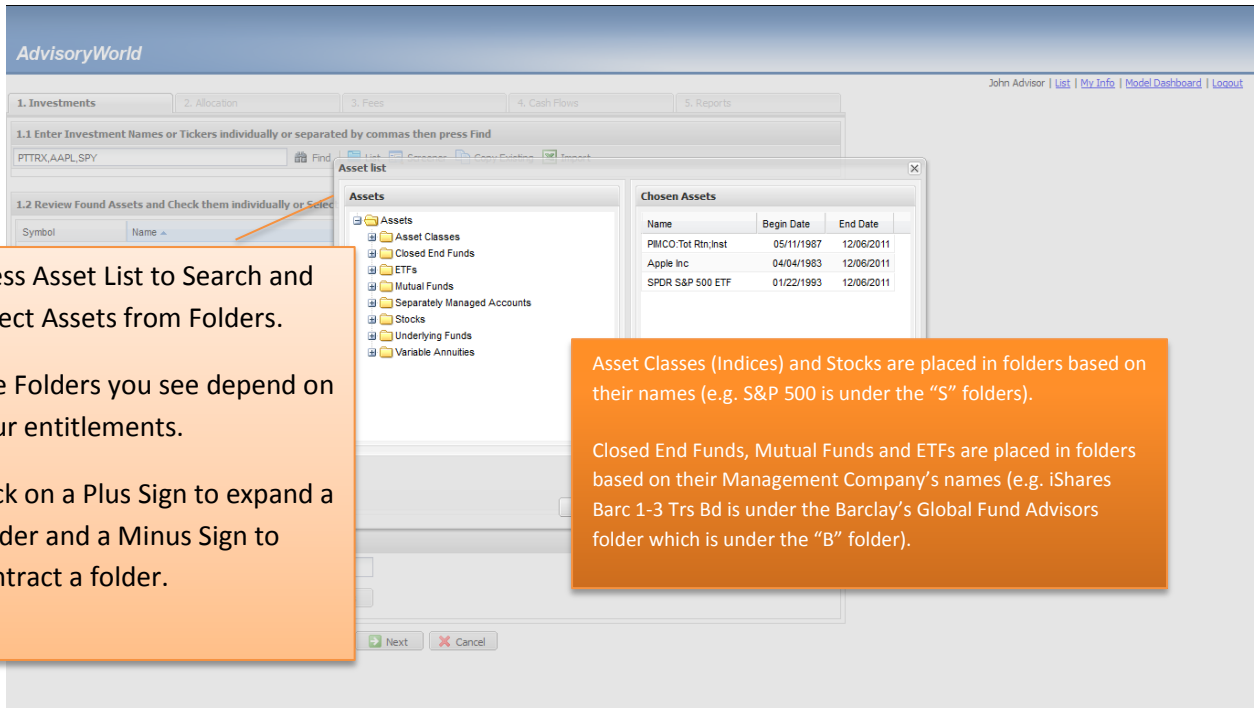


Review the resulting this and Select which of the Investments that you'd like to include in your analysis then press Add.



Notice that Assets have been Selected. You may remove any of them by Clicking on Delete.

Enter a Name for this Analysis (e.g. “Sample Analysis” then press Next. Press Cancel to return to the Hypothetical List page without saving any changes.



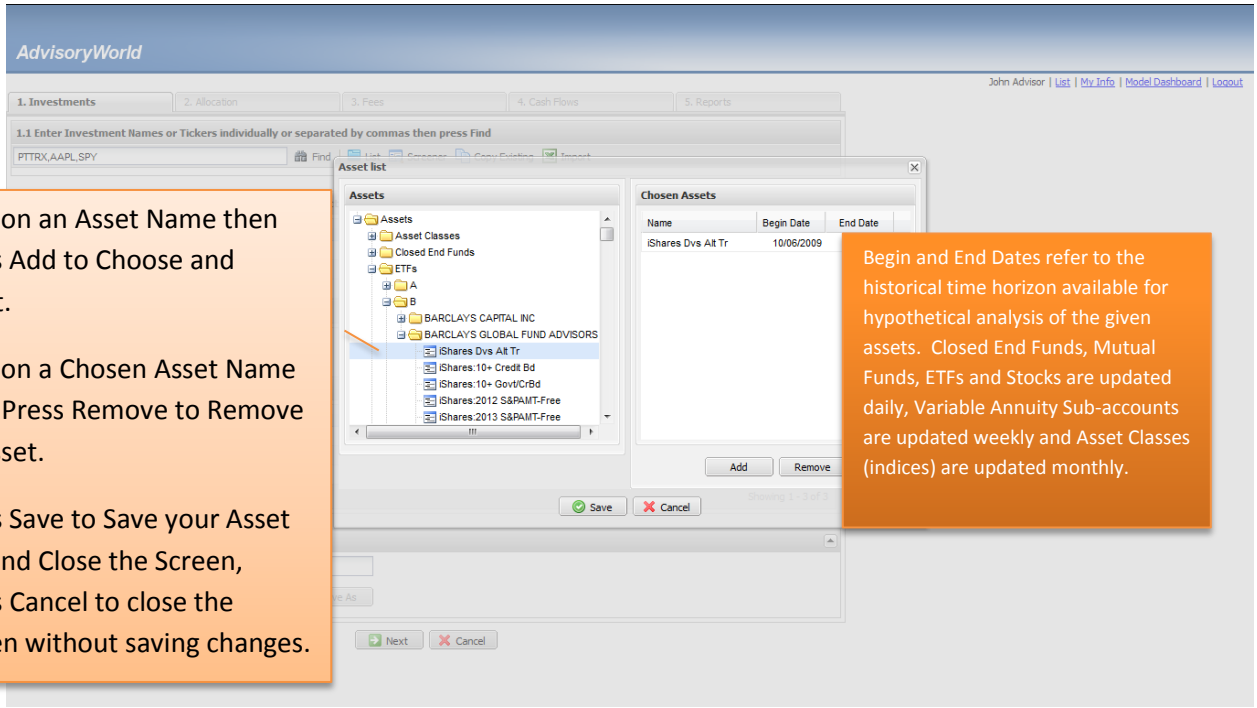
Press Asset List to Search and Select Assets from Folders.

The Folders you see depend on your entitlements.

Click on a Plus Sign to expand a Folder and a Minus Sign to contract a folder.

Asset Classes (Indices) and Stocks are placed in folders based on their names (e.g. S&P 500 is under the “S” folders).

Closed End Funds, Mutual Funds and ETFs are placed in folders based on their Management Company’s names (e.g. iShares Barc 1-3 Trs Bd is under the Barclay’s Global Fund Advisors folder which is under the “B” folder).

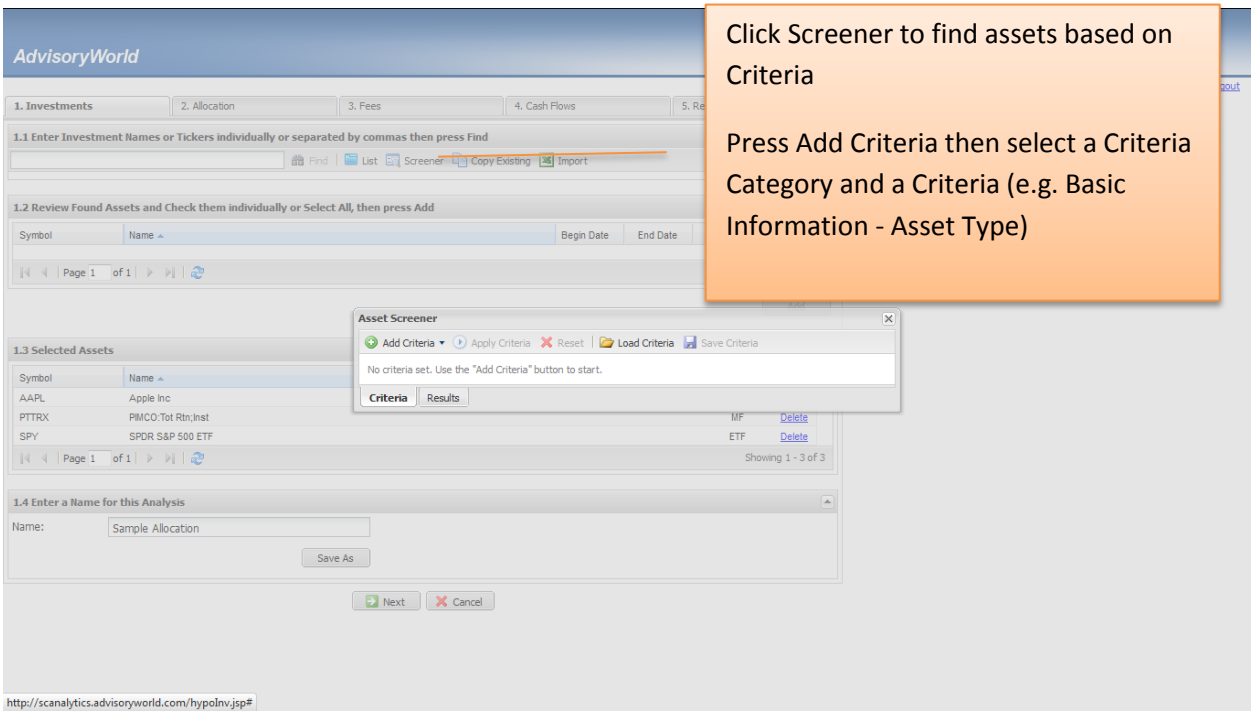


Click on an Asset Name then Press Add to Choose and Asset.

Click on a Chosen Asset Name then Press Remove to Remove an asset.

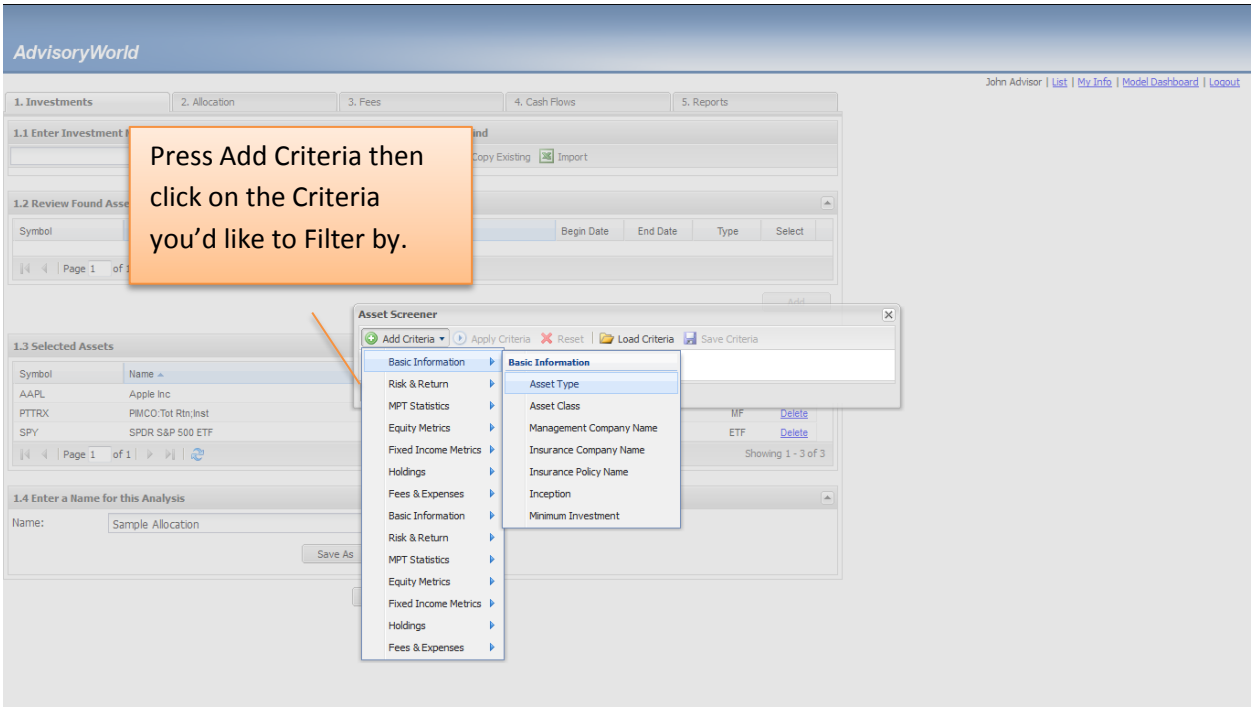
Press Save to Save your Asset List and Close the Screen, press Cancel to close the screen without saving changes.

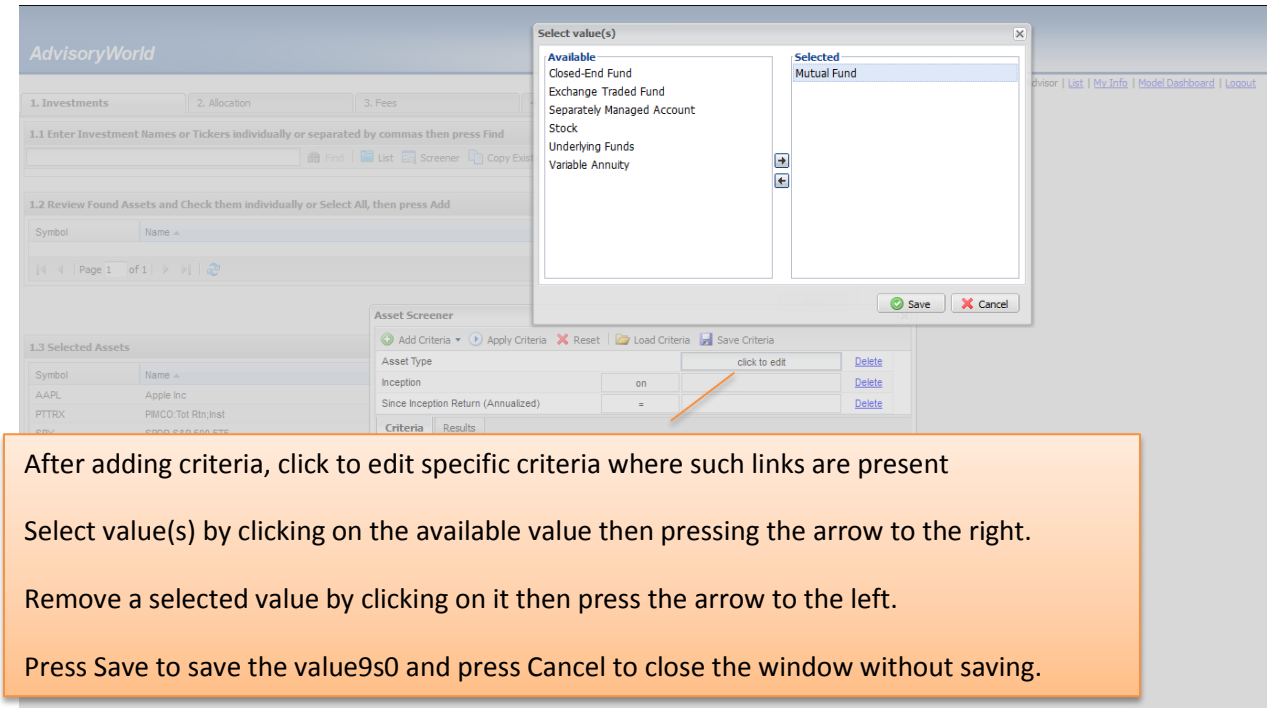
Begin and End Dates refer to the historical time horizon available for hypothetical analysis of the given assets. Closed End Funds, Mutual Funds, ETFs and Stocks are updated daily, Variable Annuity Sub-accounts are updated weekly and Asset Classes (indices) are updated monthly.



Click Screener to find assets based on Criteria

Press Add Criteria then select a Criteria Category and a Criteria (e.g. Basic Information - Asset Type)



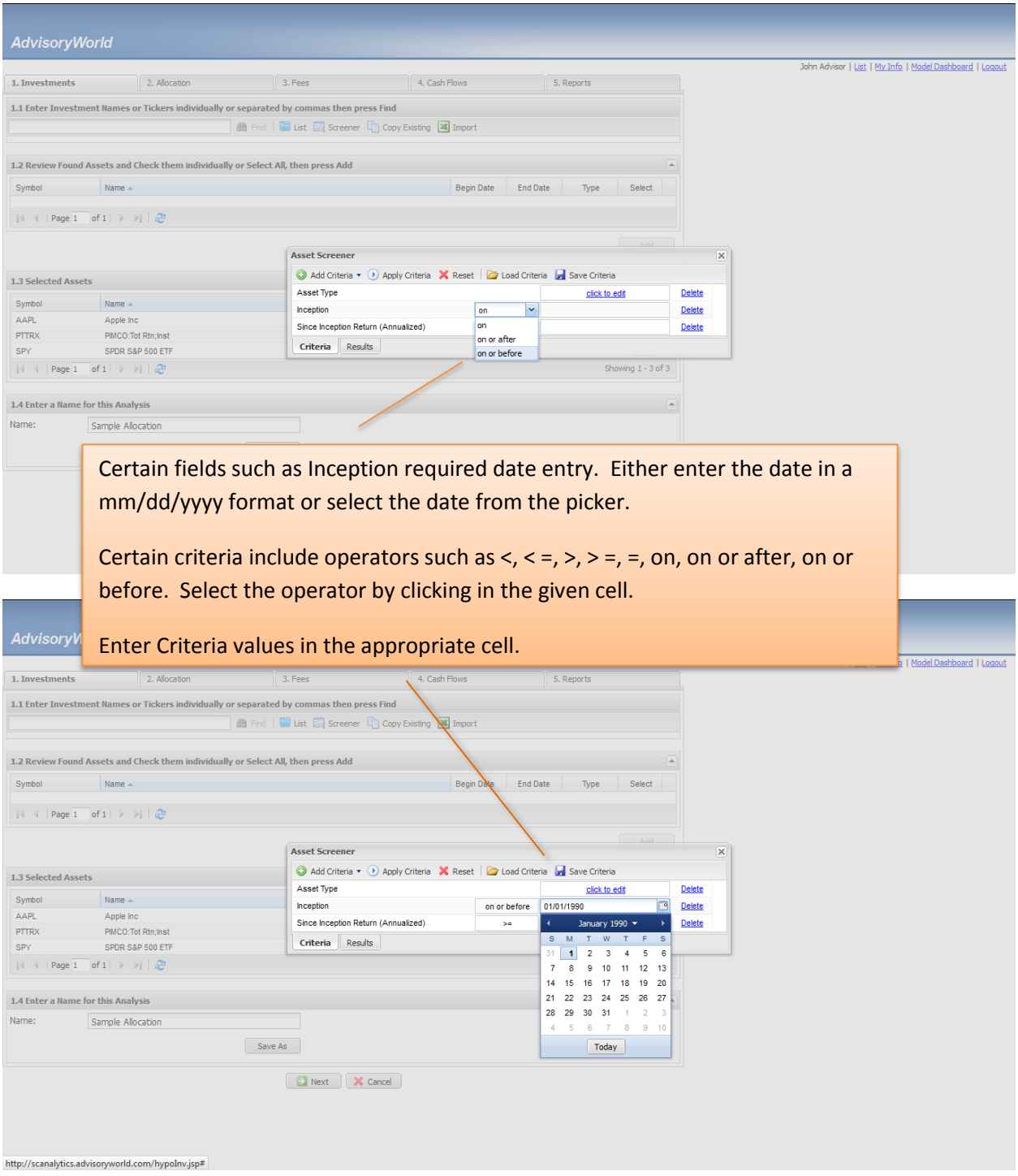


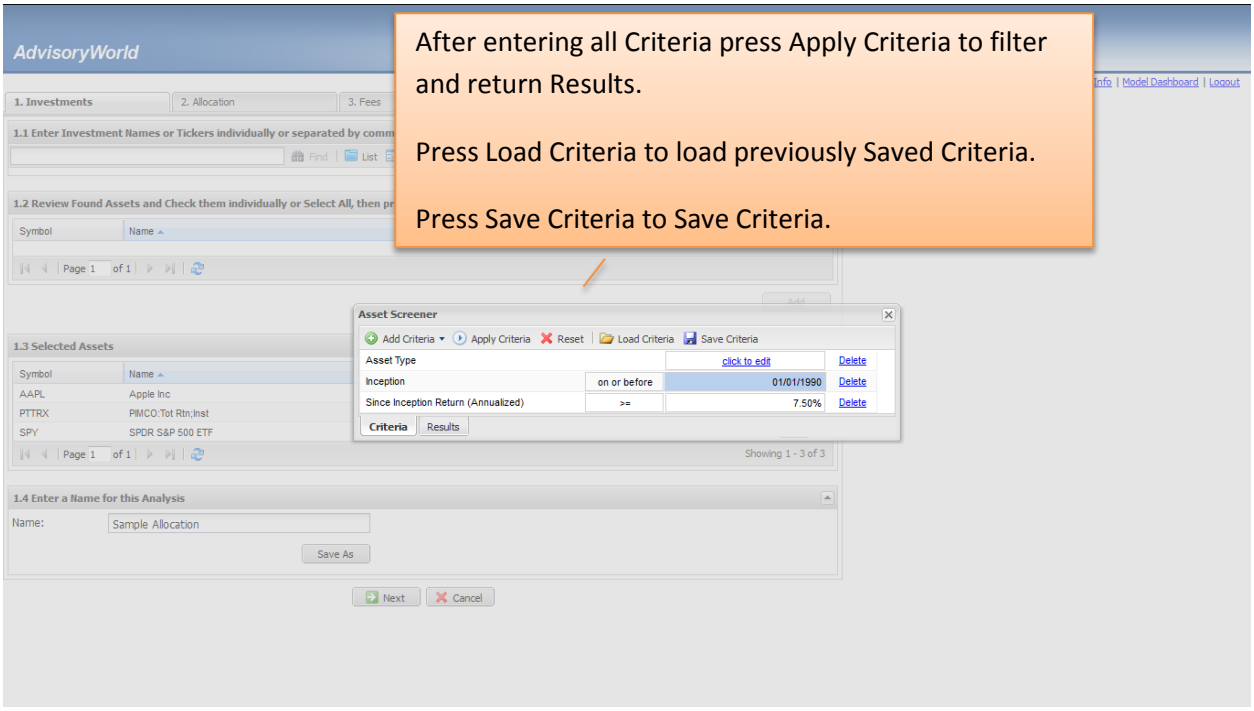
After adding criteria, click to edit specific criteria where such links are present

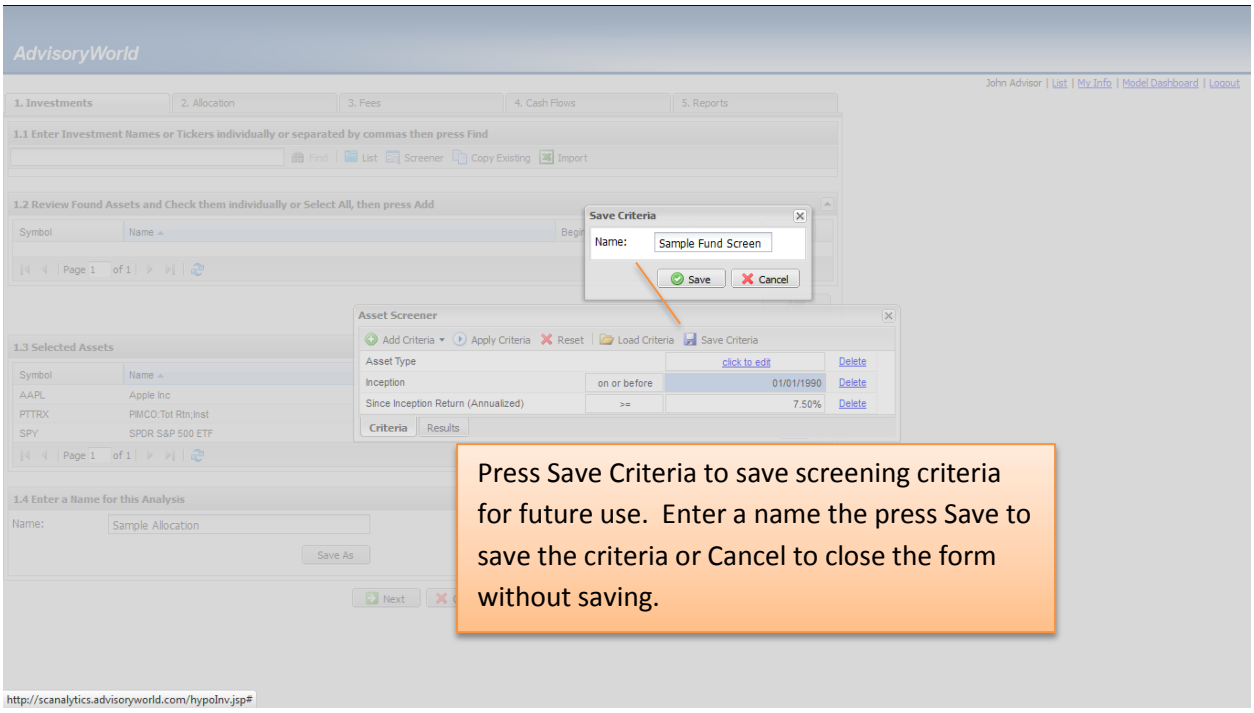
Select value(s) by clicking on the available value then pressing the arrow to the right.

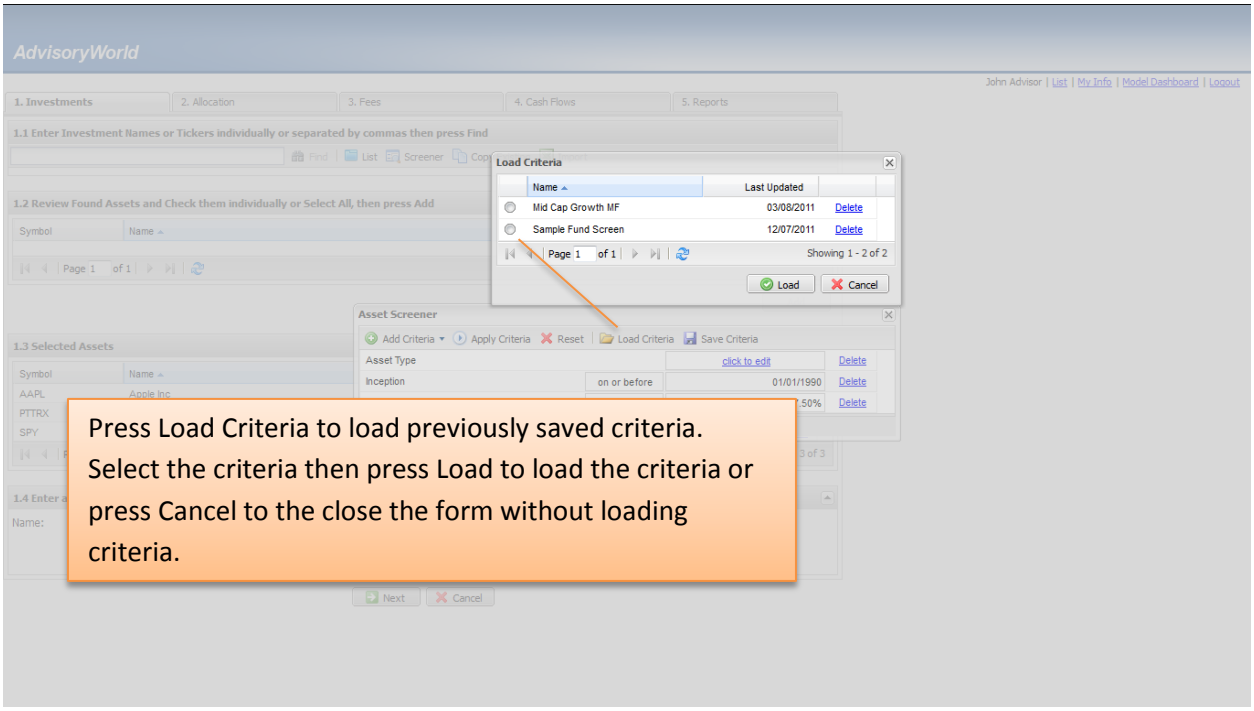
Remove a selected value by clicking on it then press the arrow to the left.

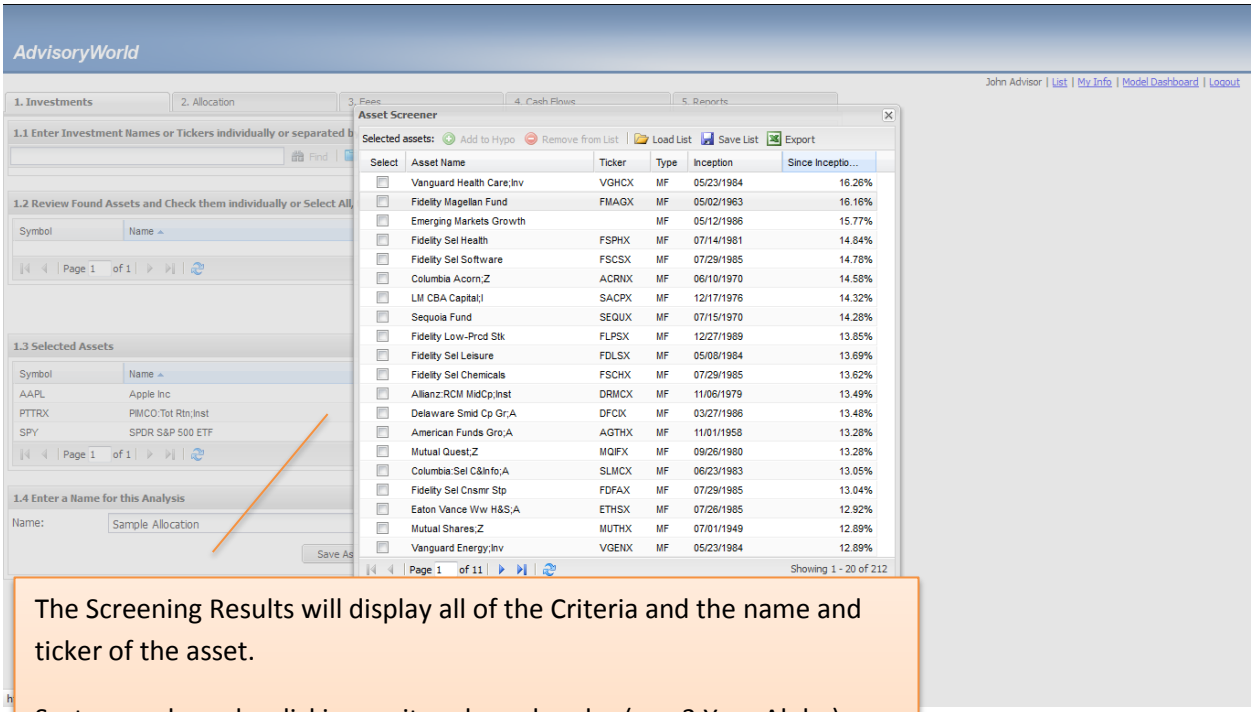
Press Save to save the value9s0 and press Cancel to close the window without saving.


AdvisoryWorld
John Advisor | List | My Info | Model Dashboard | Logout
1. Investments
2. Allocation
3. Fees
4. Cash Flows
5. Reports
1.1 Enter Investment Names or Tickers individually or separated by commas then press Find
1.2 Review Found Assets and Check them individually or Select All, then press Add
1.3 Selected Assets
1.4 Enter a Name for this Analysis
Name:
Sample Allocation
Asset Screener
Add Criteria
Apply Criteria
Reset
Load Criteria
Save Criteria
Asset Type
Inception
Since Inception Return (Annualized)
click to edit
Delete
on
on or after
on or before
Criteria
Results
Certain fields such as Inception required date entry. Either enter the date in a mm/dd/yyyy format or select the date from the picker.
Certain criteria include operators such as <, < =, >, > =, =, on, on or after, on or before. Select the operator by clicking in the given cell.
Enter Criteria values in the appropriate cell.
01/01/1990
January 1990
Today
Save As
Next
Cancel
http://scanalytics.advisoryworld.com/hypoInv.jsp#


After entering all Criteria press Apply Criteria to filter and return Results.
Press Load Criteria to load previously Saved Criteria.
Press Save Criteria to Save Criteria.
AdvisoryWorld
Asset Screener
Add Criteria
Apply Criteria
Reset
Load Criteria
Save Criteria
Asset Type
Inception
Since Inception Return (Annualized)
Criteria
Results
1.4 Enter a Name for this Analysis
Sample Allocation
Save As
Next
Cancel


AdvisoryWorld
Save Criteria
Name:
Sample Fund Screen
Save
Cancel
Press Save Criteria to save screening criteria for future use. Enter a name the press Save to save the criteria or Cancel to close the form without saving.
http://scanalytics.advisoryworld.com/hypoInv.jsp#


AdvisoryWorld
John Advisor | List | My Info | Model Dashboard | Logout
1. Investments
2. Allocation
3. Fees
4. Cash Flows
5. Reports
1.1 Enter Investment Names or Tickers individually or separated by commas then press Find
1.2 Review Found Assets and Check them individually or Select All, then press Add
1.3 Selected Assets
Load Criteria
Name
Last Updated
Mid Cap Growth MF
03/08/2011
Delete
Sample Fund Screen
12/07/2011
Delete
Page 1 of 1
Showing 1 - 2 of 2
Load
Cancel
Asset Screener
Add Criteria
Apply Criteria
Reset
Load Criteria
Save Criteria
Asset Type
click to edit
Delete
Inception
on or before
01/01/1990
Delete
Delete
Symbol
Name
AAPL
Apple Inc
PTTRX
SPY
Name:
Next
Cancel
Press Load Criteria to load previously saved criteria. Select the criteria then press Load to load the criteria or press Cancel to the close the form without loading criteria.


AdvisoryWorld
John Advisor | List | My Info | Model Dashboard | Logout
1. Investments
2. Allocation
3. Fees
4. Cash Flows
5. Reports
1.1 Enter Investment Names or Tickers individually or separated b
1.2 Review Found Assets and Check them individually or Select All
Symbol
Name
Page 1 of 1
1.3 Selected Assets
Symbol
Name
AAPL
Apple Inc
PTTRX
PIMCO:Tot Rtn;Inst
SPY
SPDR S&P 500 ETF
Page 1 of 1
1.4 Enter a Name for this Analysis
Name:
Sample Allocation
Save As
Asset Screener
Selected assets:
Add to Hypo
Remove from List
Load List
Save List
Export
Select
Asset Name
Ticker
Type
Inception
Since Inceptio...
Vanguard Health Care;Inv VGHCX MF 05/23/1984 16.26%
Fidelity Magellan Fund FMAGX MF 05/02/1963 16.16%
Emerging Markets Growth MF 05/12/1986 15.77%
Fidelity Sel Health FSPHX MF 07/14/1981 14.84%
Fidelity Sel Software FSCSX MF 07/29/1985 14.78%
Columbia Acorn;Z ACRNX MF 06/10/1970 14.58%
LM CBA Capital;I SACPX MF 12/17/1976 14.32%
Sequoia Fund SEQUX MF 07/15/1970 14.28%
Fidelity Low-Prcd Stk FLPSX MF 12/27/1989 13.85%
Fidelity Sel Leisure FDLSX MF 05/08/1984 13.69%
Fidelity Sel Chemicals FSCHX MF 07/29/1985 13.62%
Allianz:RCM MidCp;Inst DRMCX MF 11/06/1979 13.49%
Delaware Smid Cp Gr;A DFCIX MF 03/27/1986 13.48%
American Funds Gro;A AGTHX MF 11/01/1958 13.28%
Mutual Quest;Z MQIFX MF 09/26/1980 13.28%
Columbia:Sel C&Info;A SLMCX MF 06/23/1983 13.05%
Fidelity Sel Cnsmr Stp FDFAX MF 07/29/1985 13.04%
Eaton Vance Ww H&S;A ETHSX MF 07/26/1985 12.92%
Mutual Shares;Z MUTHX MF 07/01/1949 12.89%
Vanguard Energy;Inv VGENX MF 05/23/1984 12.89%
Page 1 of 11
Showing 1 - 20 of 212

The Screening Results will display all of the Criteria and the name and ticker of the asset.

Sort any column by clicking on its column header (e.g. 3 Year Alpha)

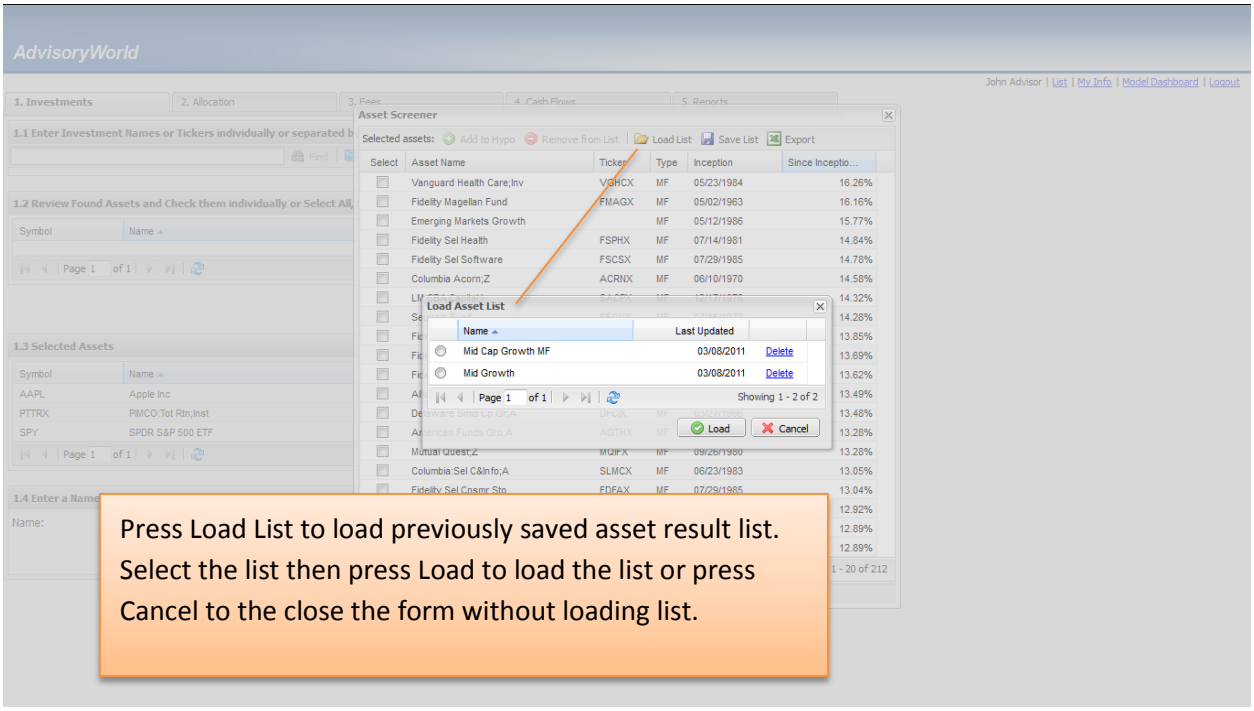
Select and or all assets and:

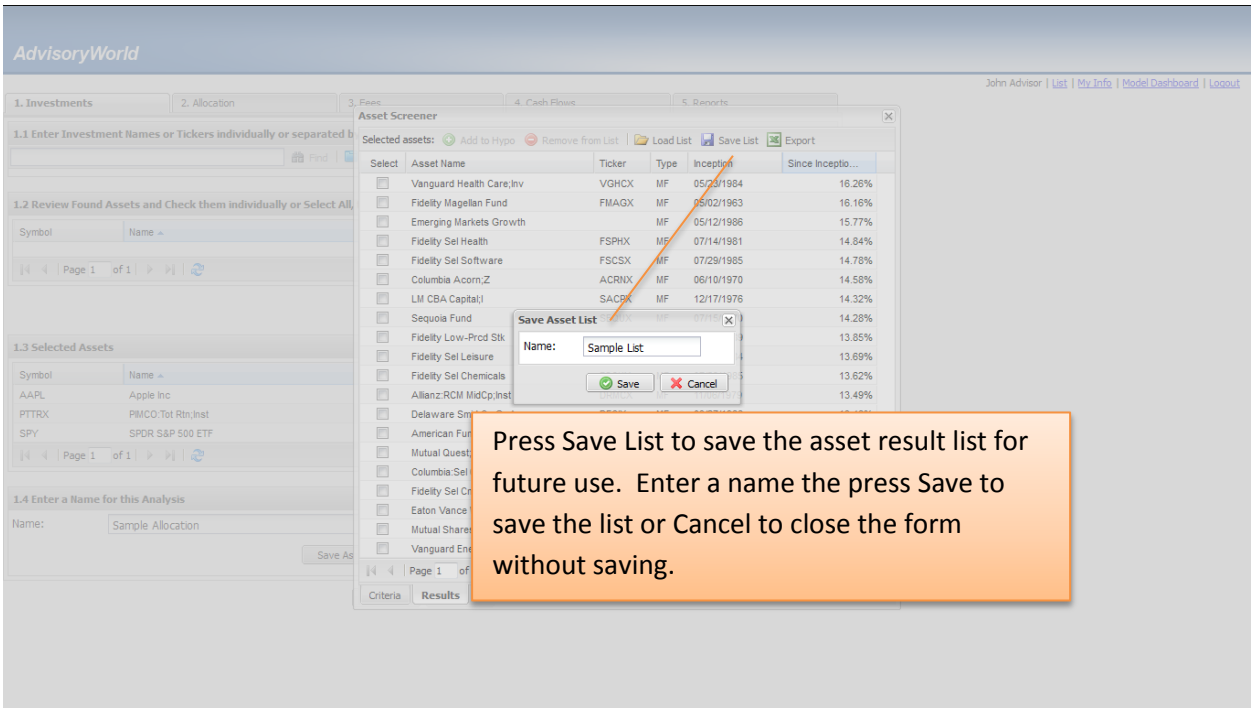
Press Add to Hypo to add the assets to the analysis

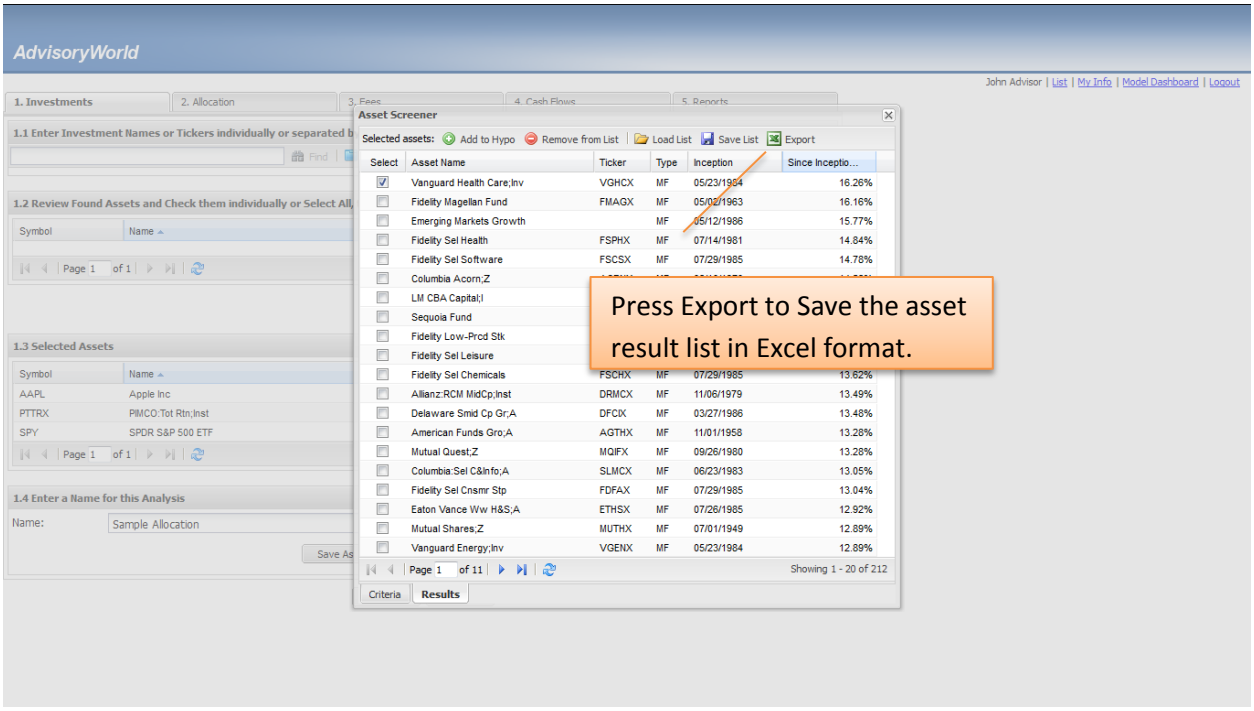
Press Remove from List to remove the assets from the Screening Results

Press Save List to Save the Screening Results

Press Export to Save the resulting list in an Excel File


AdvisoryWorld
Asset Screener
Load Asset List
Name
Last Updated
Mid Cap Growth MF
03/08/2011
Delete
Mid Growth
03/08/2011
Delete
Load
Cancel
Press Load List to load previously saved asset result list. Select the list then press Load to load the list or press Cancel to the close the form without loading list.


AdvisoryWorld
Asset Screener
Save Asset List
Name:
Sample List
Save
Cancel
Press Save List to save the asset result list for future use. Enter a name the press Save to save the list or Cancel to close the form without saving.


AdvisoryWorld
John Advisor | List | My Info | Model Dashboard | Logout
1. Investments
2. Allocation
Asset Screener
Selected assets: Add to Hypo Remove from List Load List Save List Export
Select Asset Name Ticker Type Inception Since Inceptio...
Vanguard Health Care;Inv VGHCX MF 05/23/1984 16.26%
Fidelity Magellan Fund FMAGX MF 05/02/1963 16.16%
Emerging Markets Growth MF 05/12/1986 15.77%
Fidelity Sel Health FSPHX MF 07/14/1981 14.84%
Fidelity Sel Software FSCSX MF 07/29/1985 14.78%
Columbia Acorn;Z
LM CBA Capital;I
Sequoia Fund
Fidelity Low-Prcd Stk
Fidelity Sel Leisure
Fidelity Sel Chemicals FSCHX MF 07/29/1985 13.62%
Allianz:RCM MidCp;Inst DRMCX MF 11/06/1979 13.49%
Delaware Smid Cp Gr;A DFCIX MF 03/27/1986 13.48%
American Funds Gro;A AGTHX MF 11/01/1958 13.28%
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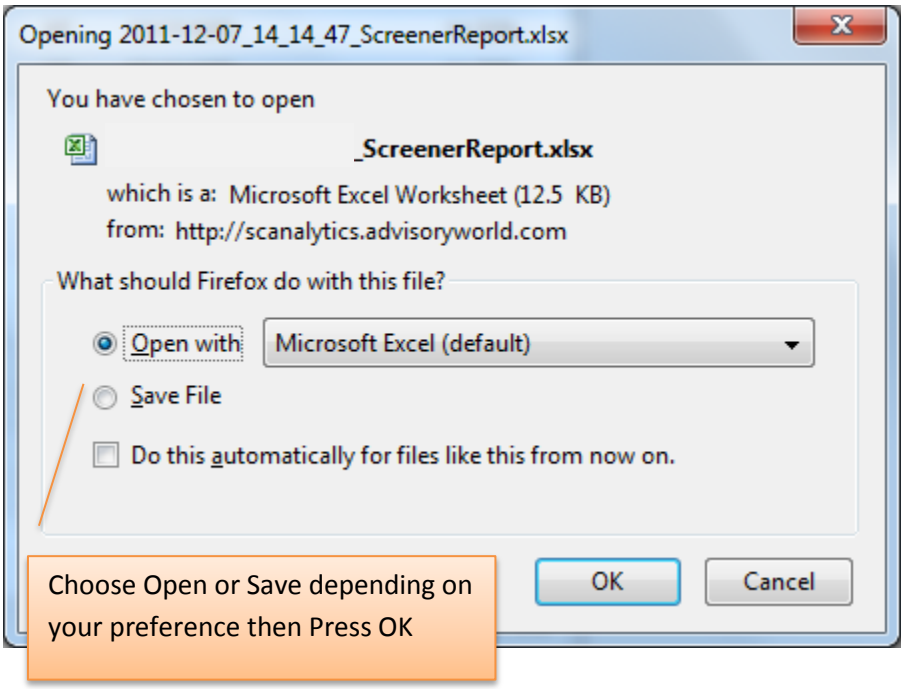
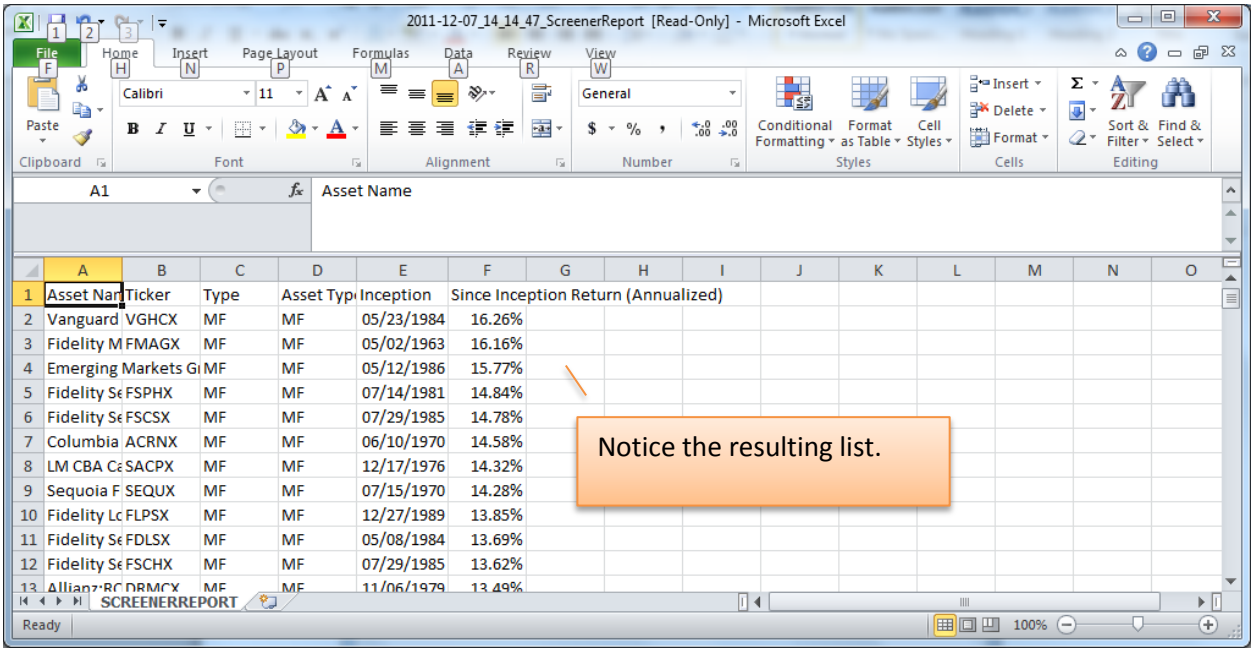
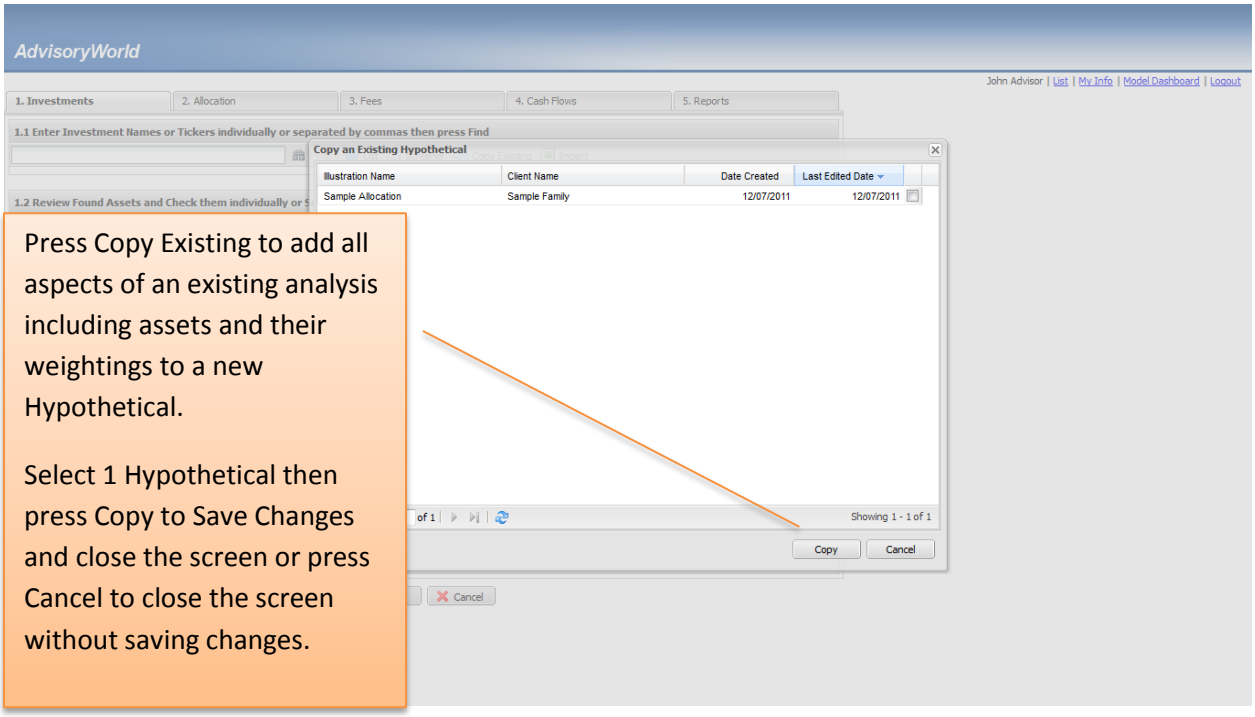
Mutual Shares;Z MUTHX MF 07/01/1949 12.89%
Vanguard Energy;Inv VGENX MF 05/23/1984 12.89%
Page 1 of 11
Showing 1 - 20 of 212
Criteria
Results
Press Export to Save the asset result list in Excel format.

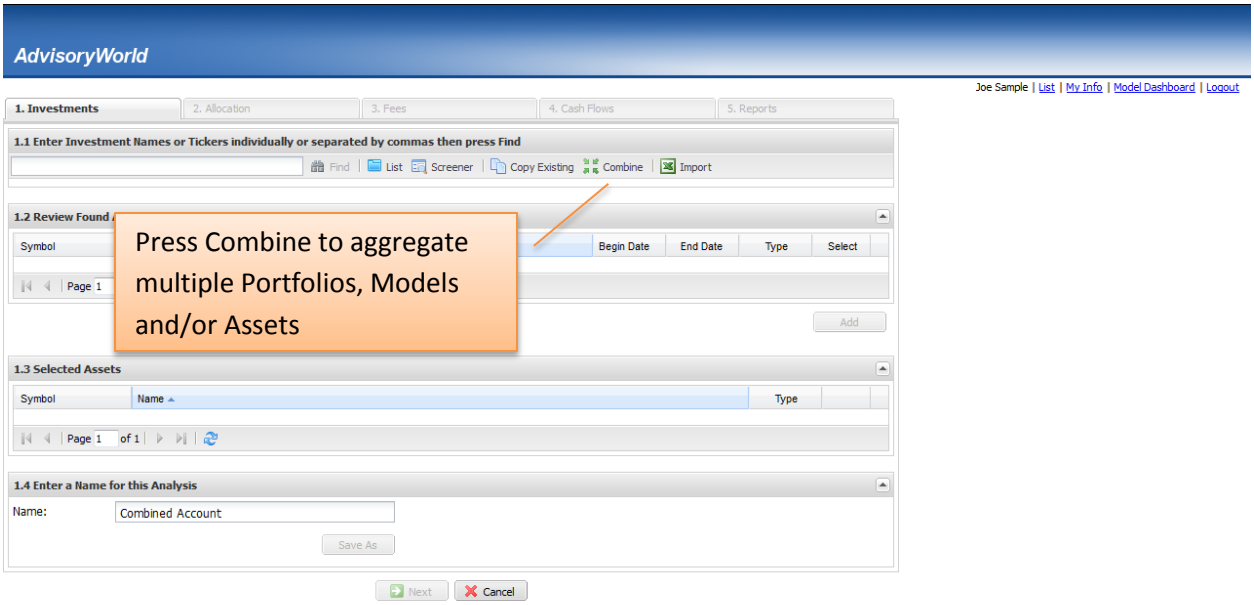

Opening 2011-12-07_14_14_47_ScreenerReport.xlsx
You have chosen to open
_ScreenerReport.xlsx
which is a: Microsoft Excel Worksheet (12.5 KB)
from: http://scanalytics.advisoryworld.com
What should Firefox do with this file?
Open with
Microsoft Excel (default)
Save File
Do this automatically for files like this from now on.
OK
Cancel
Choose Open or Save depending on your preference then Press OK

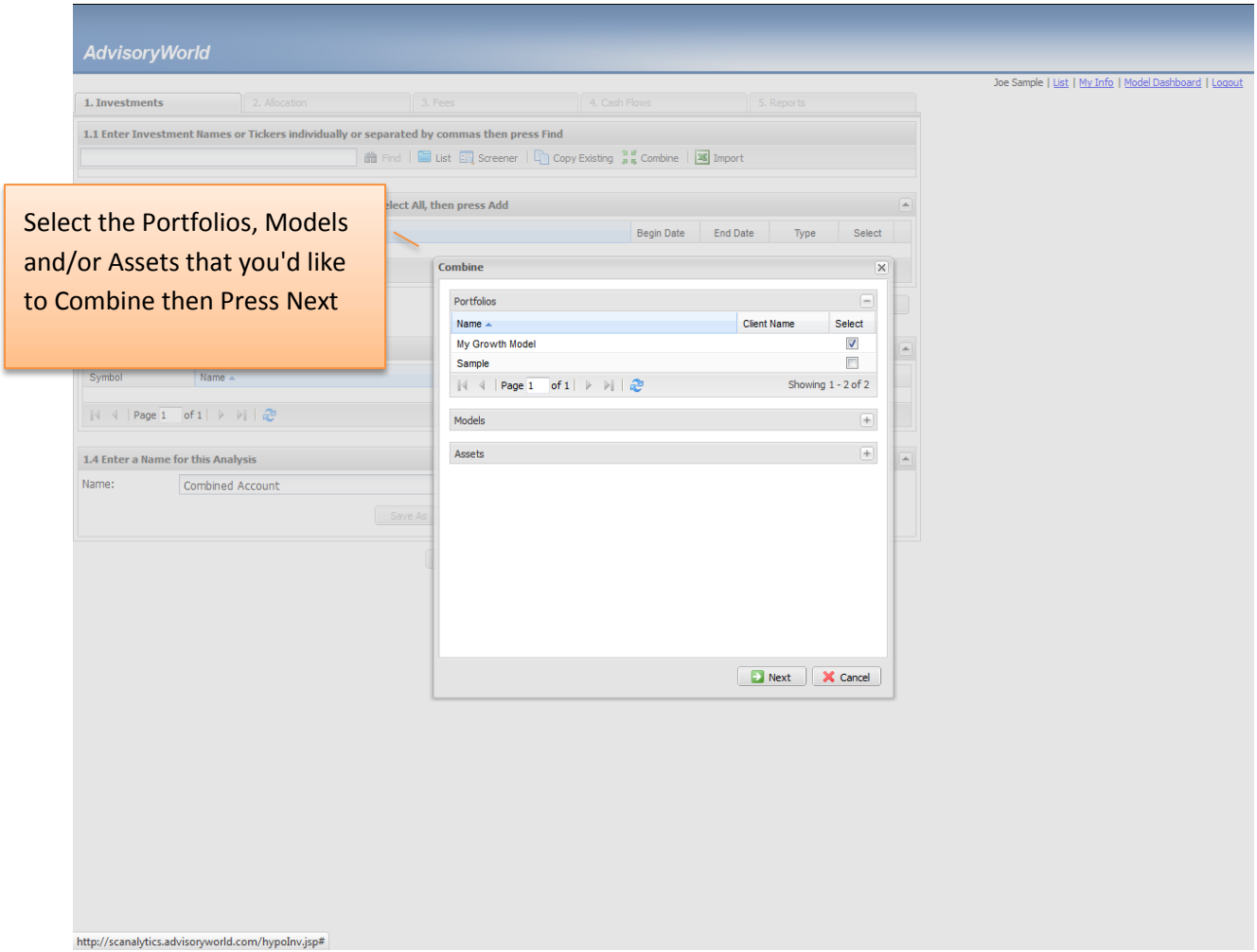




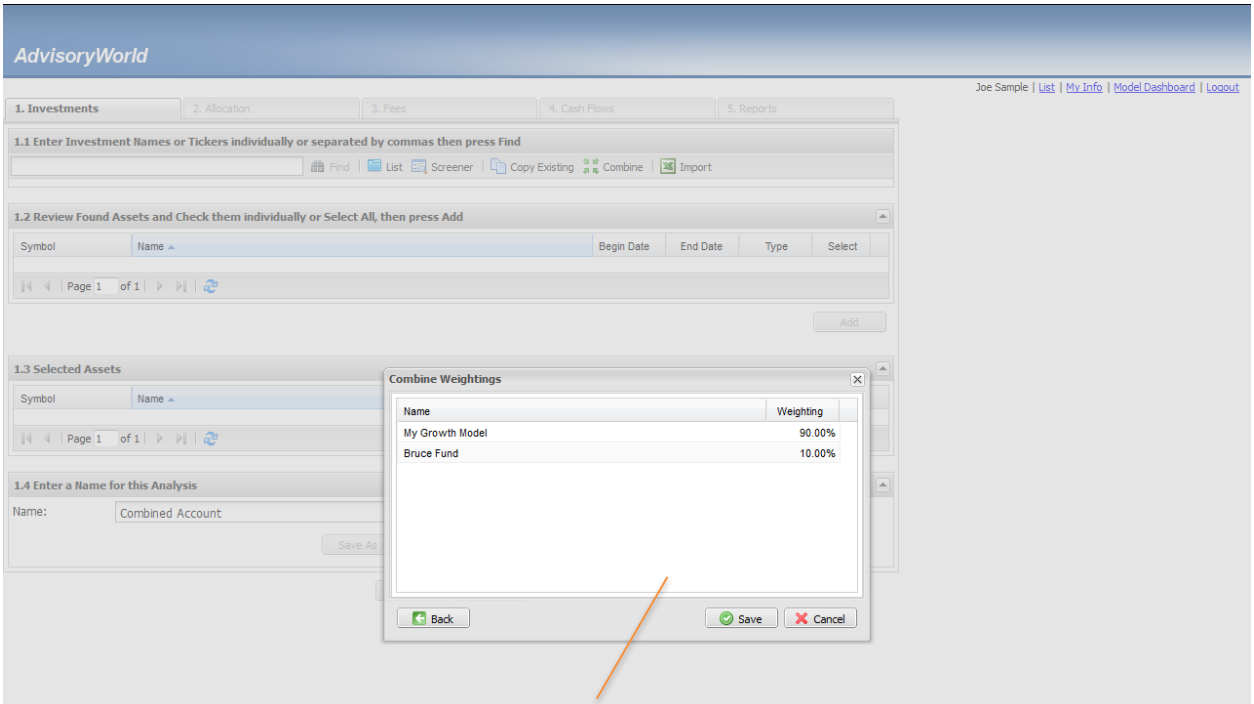
Press Copy Existing to add all aspects of an existing analysis including assets and their weightings to a new Hypothetical.

Select 1 Hypothetical then press Copy to Save Changes and close the screen or press Cancel to close the screen without saving changes.


AdvisoryWorld
Joe Sample | List | My Info | Model Dashboard | Logout
1. Investments
2. Allocation
3. Fees
4. Cash Flows
5. Reports
1.1 Enter Investment Names or Tickers individually or separated by commas then press Find
Find
List
Screener
Copy Existing
Combine
Import
1.2 Review Found
Symbol
Begin Date
End Date
Type
Select
Page 1
Add
Press Combine to aggregate multiple Portfolios, Models and/or Assets
1.3 Selected Assets
Symbol
Name
Type
Page 1 of 1
1.4 Enter a Name for this Analysis
Name:
Combined Account
Save As
Next
Cancel



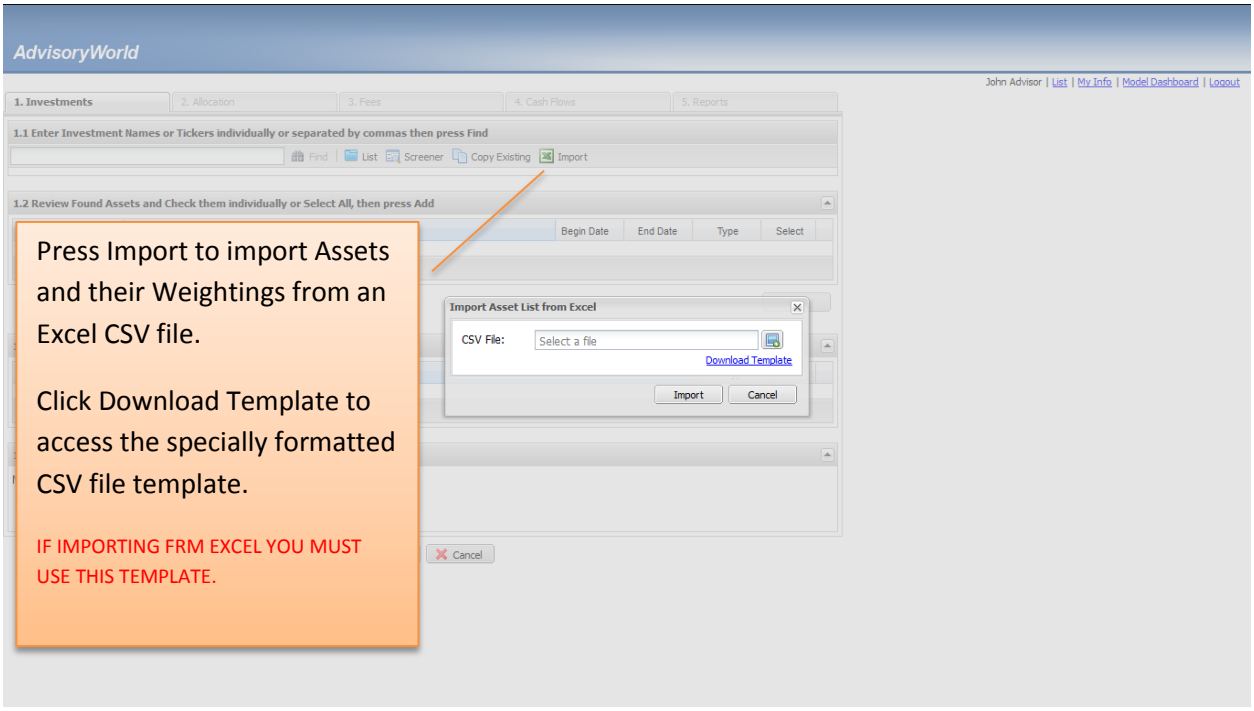
Select the Portfolios, Models and/or Assets that you'd like to Combine then Press Next

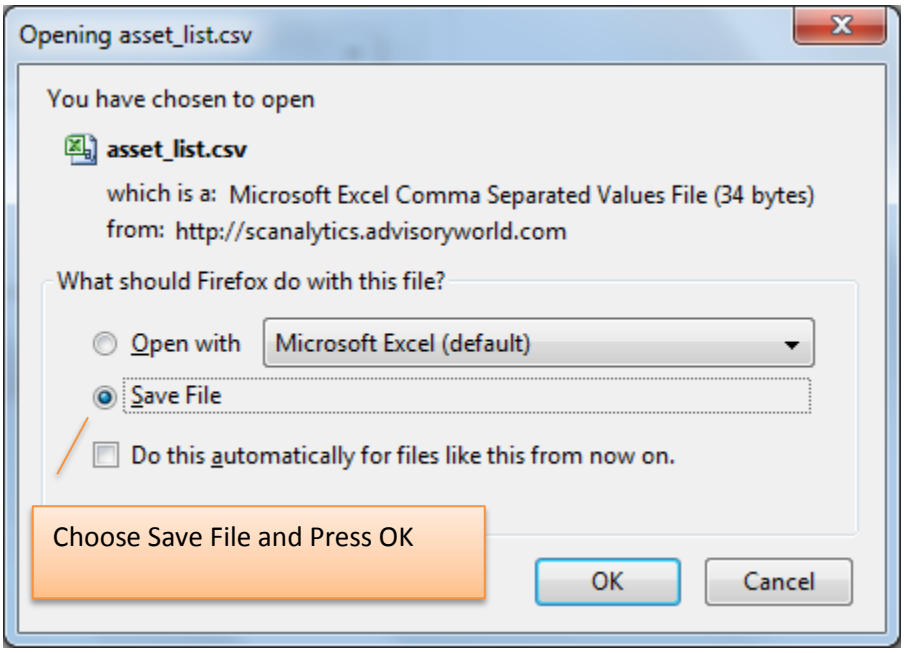


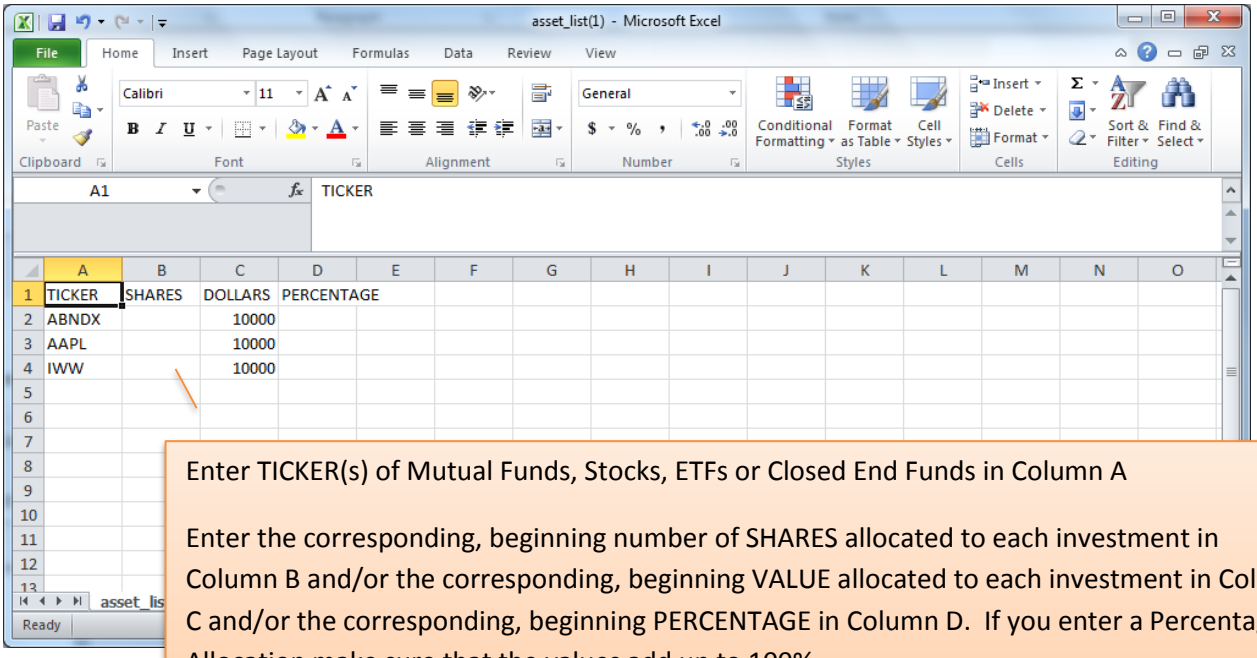
By Default the 100% allocation is set for each of the selected Portfolios, Models and/or Assets. Modify the default percentage if you'd like to distribute the allocation(s) differently than as set in the original instances of the various Portfolios or Models.

For example, if you'd like to set 90% in Model 1 and 10% in Model 2, then enter 90% and 10% respectively. Assets by default will take on a $10,000.00 value but can be set as a proportional weight combined with Models or Portfolios with percentage allocations (e.g. 90% Model 1 and 10% Asset ABC).

After specifying the Percentage Allocation, press Ok or Cancel.


AdvisoryWorld
John Advisor | List | My Info | Model Dashboard | Logout
1. Investments
2. Allocation
3. Fees
4. Cash Flows
5. Reports
1.1 Enter Investment Names or Tickers individually or separated by commas then press Find
Find
List
Screener
Copy Existing
Import
1.2 Review Found Assets and Check them individually or Select All, then press Add
Begin Date
End Date
Type
Select
Import Asset List from Excel
CSV File:
Select a file
Download Template
Import
Cancel
Cancel
Press Import to import Assets and their Weightings from an Excel CSV file.
Click Download Template to access the specially formatted CSV file template.
IF IMPORTING FRM EXCEL YOU MUST USE THIS TEMPLATE.


Opening asset_list.csv
You have chosen to open
asset_list.csv
which is a: Microsoft Excel Comma Separated Values File (34 bytes)
from: http://scanalytics.advisoryworld.com
What should Firefox do with this file?
Open with
Microsoft Excel (default)
Save File
Do this automatically for files like this from now on.
Choose Save File and Press OK
OK
Cancel

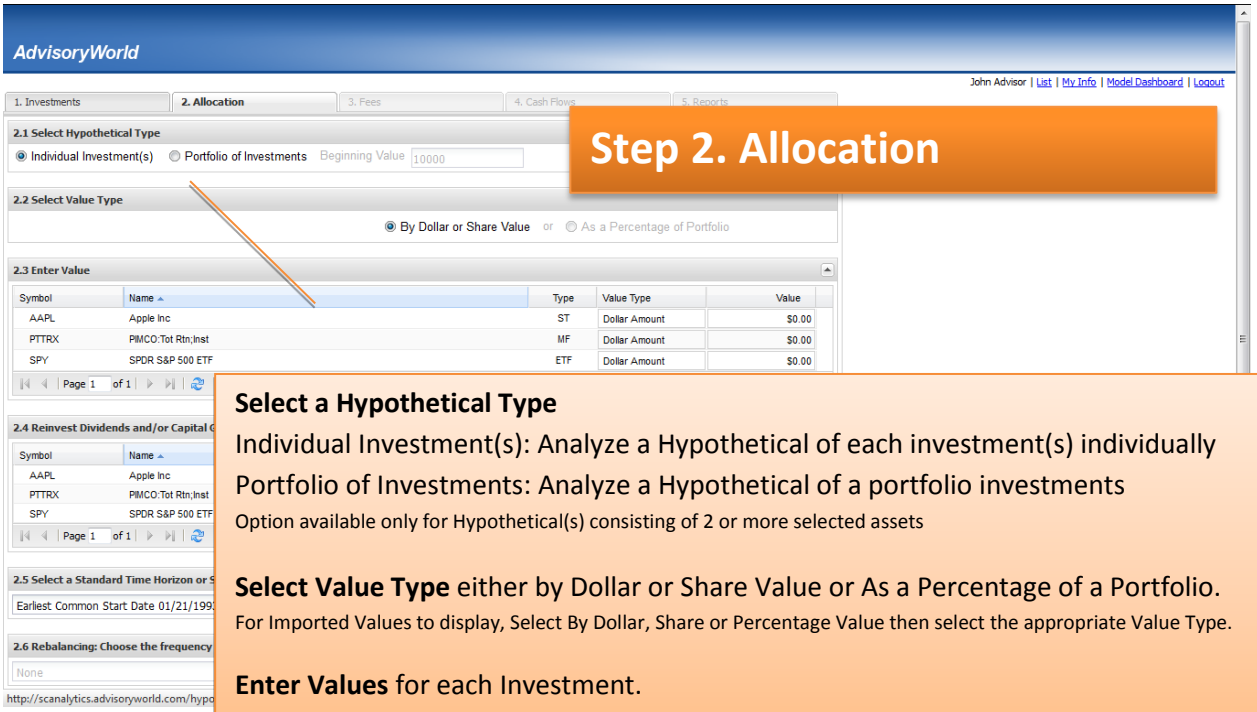


Enter TICKER(s) of Mutual Funds, Stocks, ETFs or Closed End Funds in Column A

Enter the corresponding, beginning number of SHARES allocated to each investment in Column B and/or the corresponding, beginning VALUE allocated to each investment in Column C and/or the corresponding, beginning PERCENTAGE in Column D. If you enter a Percentage Allocation make sure that the values add up to 100%.

The Header row for Columns A, B, C and D must be present in the file in order for it to be imported.

After filling in the appropriate columns, press Save.



Select a Hypothetical Type

Individual Investment(s): Analyze a Hypothetical of each investment(s) individually

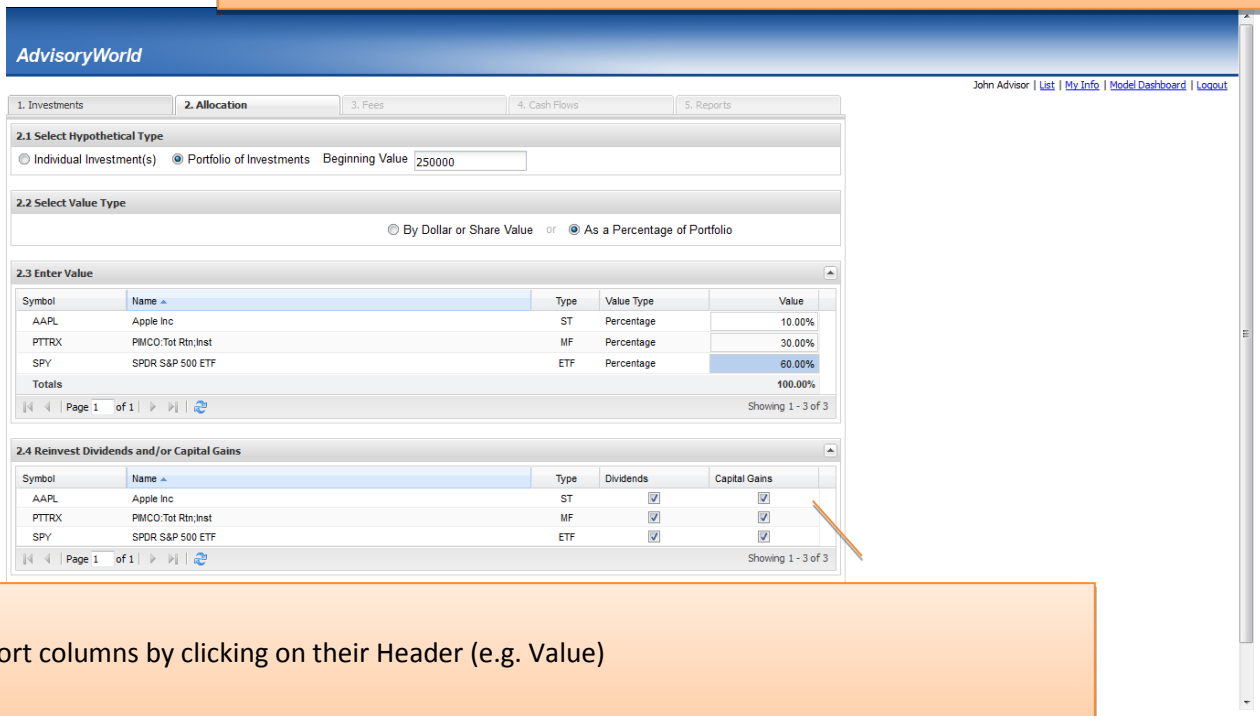
Portfolio of Investments: Analyze a Hypothetical of a portfolio investments

Option available only for Hypothetical(s) consisting of 2 or more selected assets

Select Value Type either by Dollar or Share Value or As a Percentage of a Portfolio.

For Imported Values to display, Select By Dollar, Share or Percentage Value then select the appropriate Value Type.

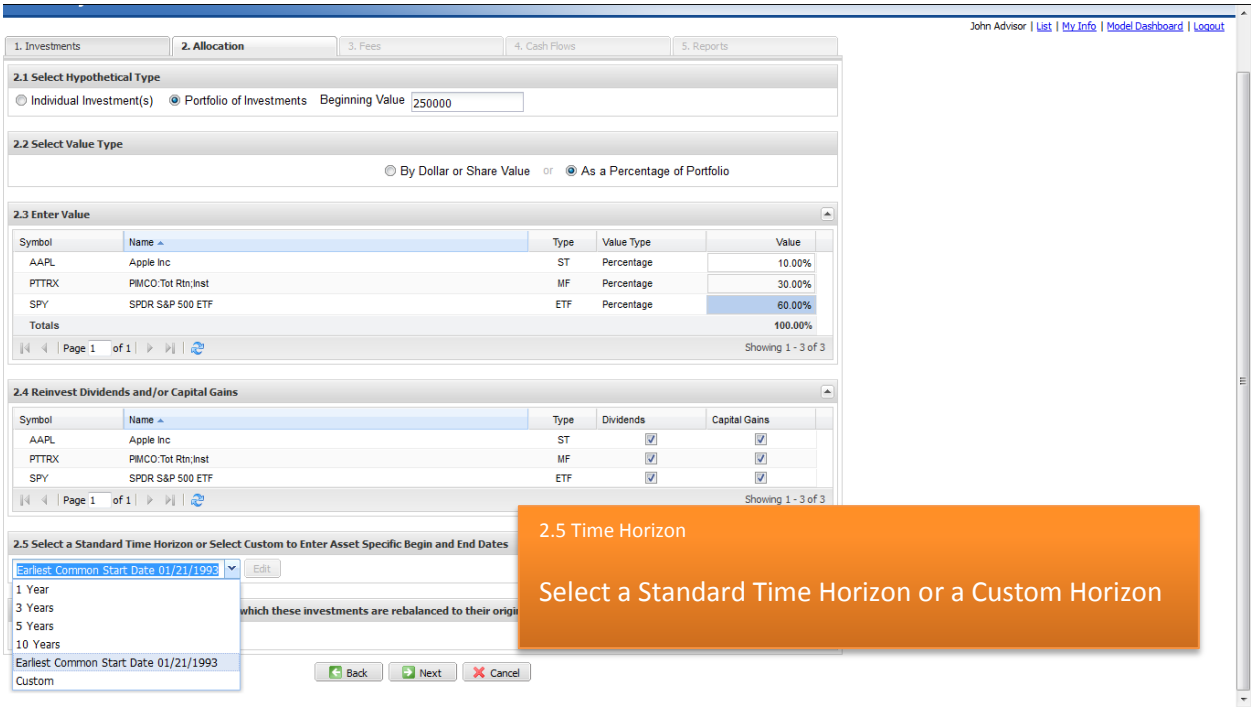
Enter Values for each Investment.

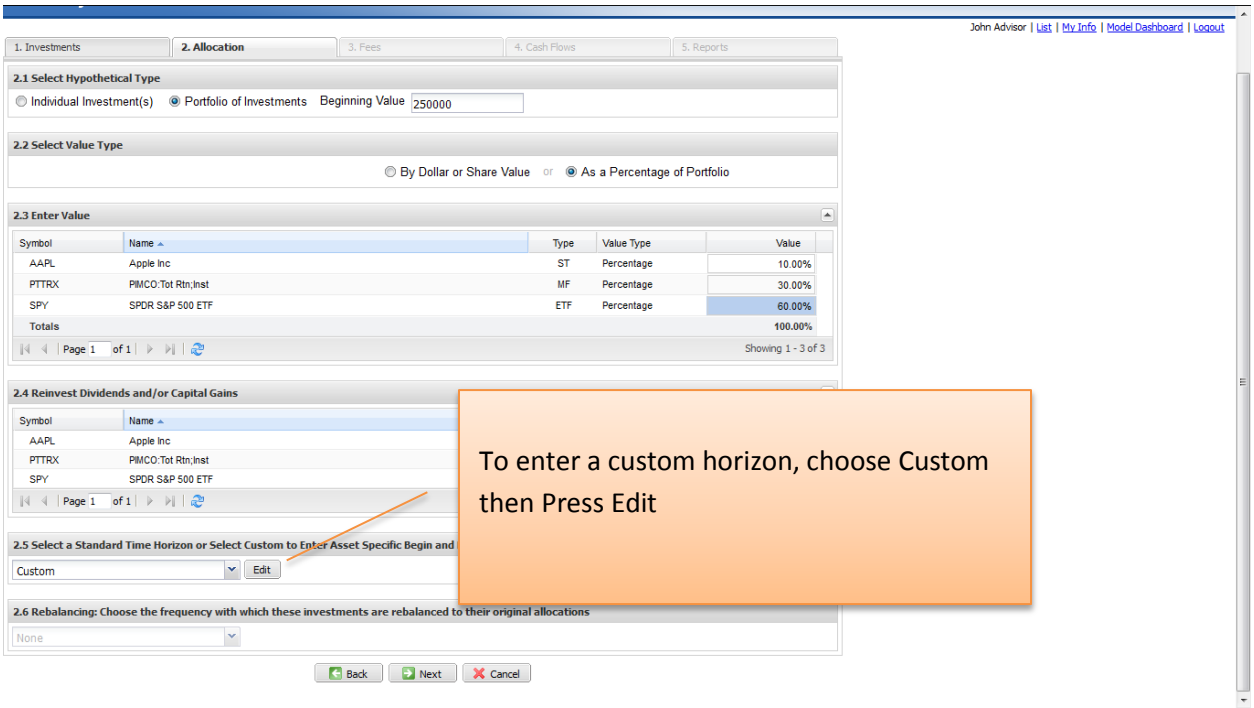


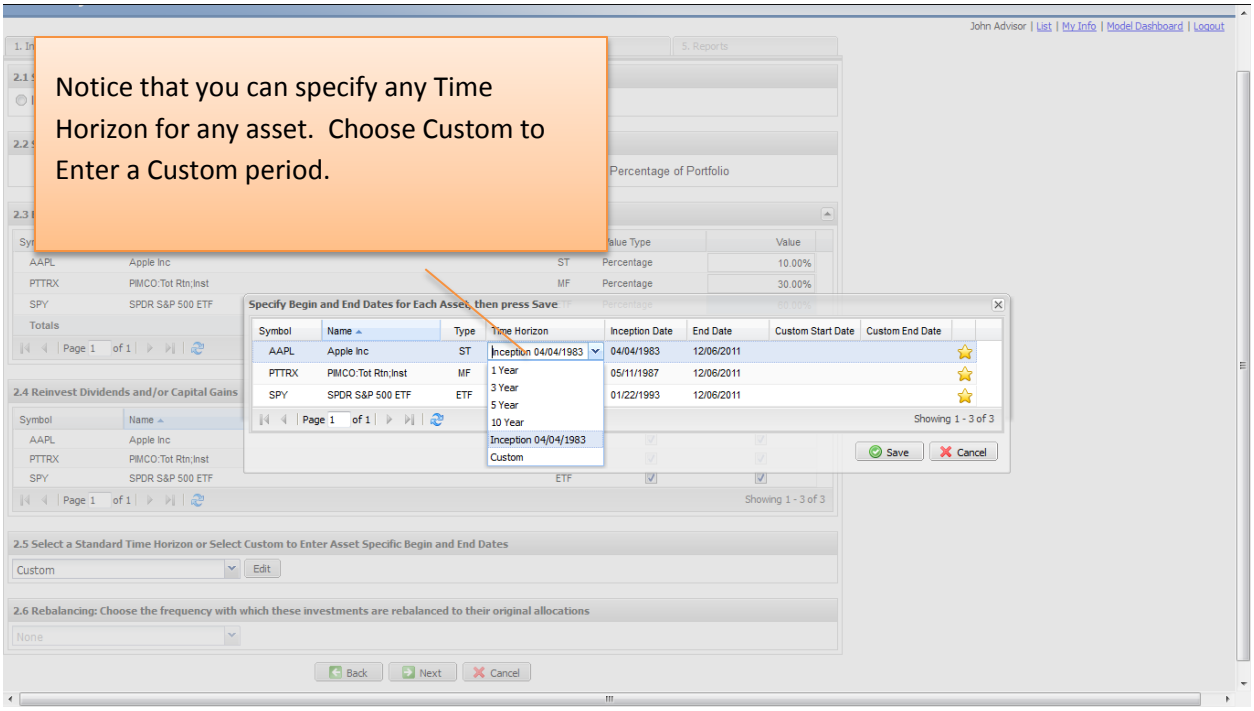
Sort columns by clicking on their Header (e.g. Value)

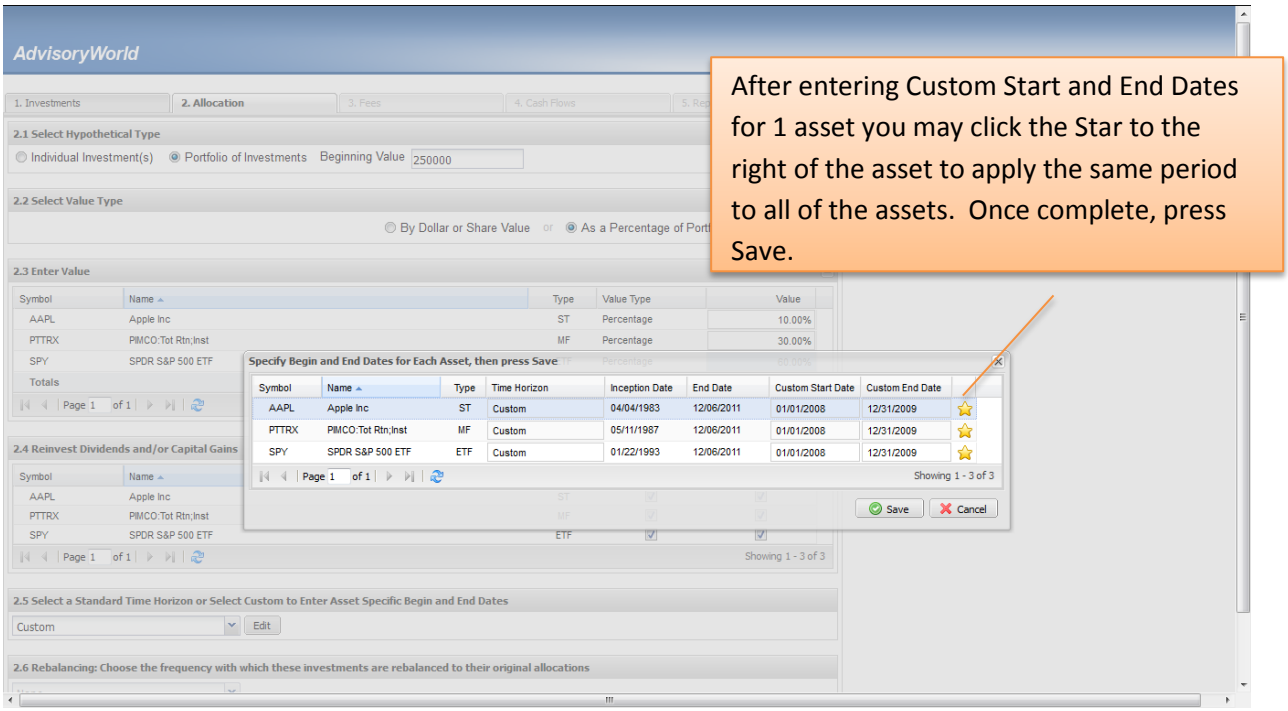
Select whether or not to **Reinvest Dividends and/or Capital Gains**

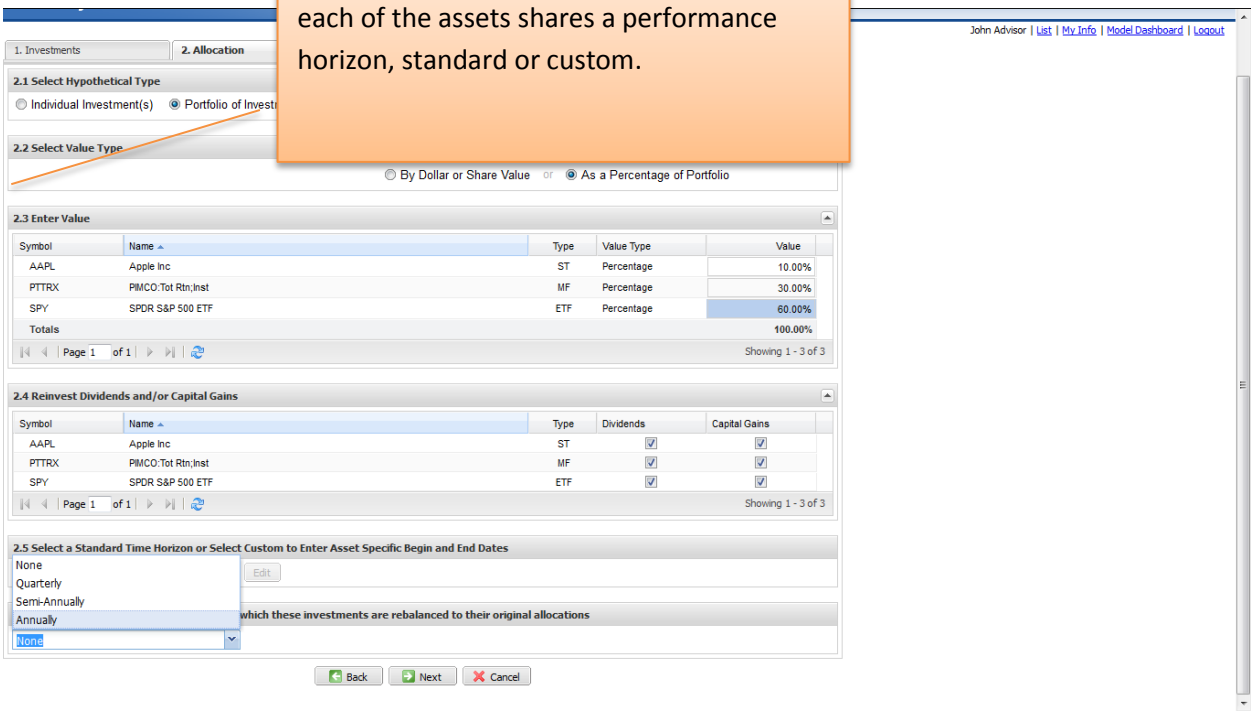
Checking either column Assumes Reinvestment

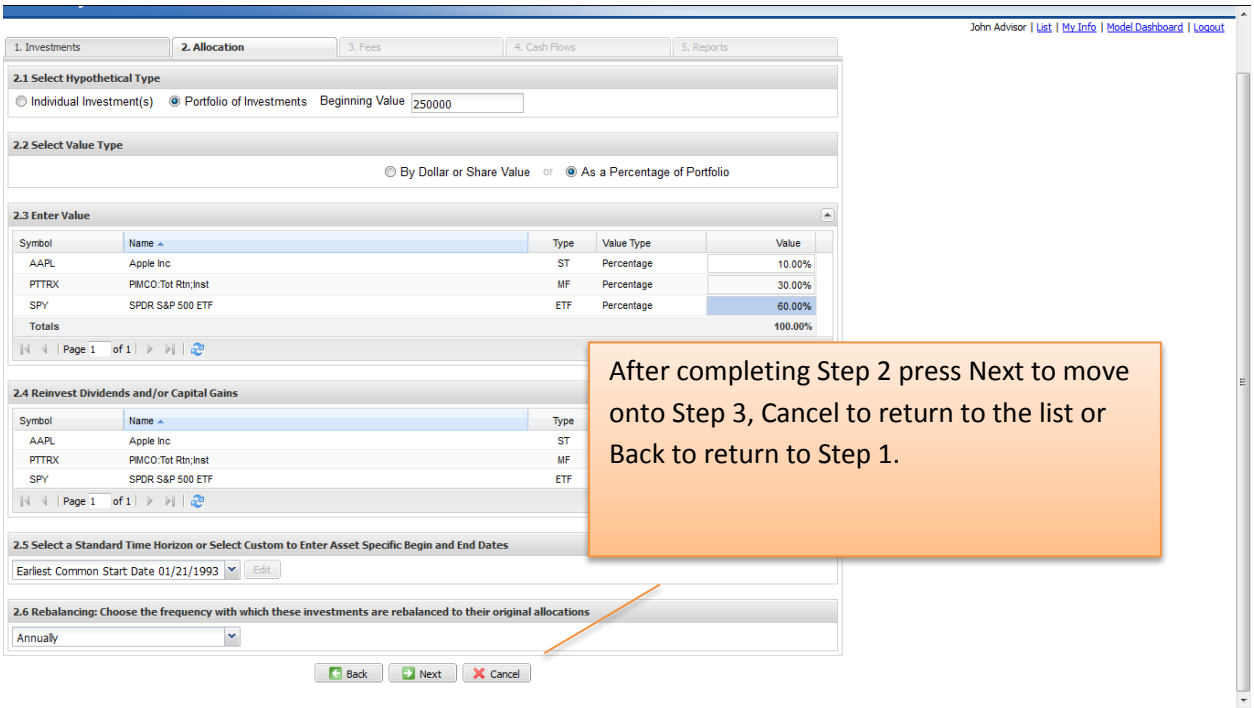

John Advisor | List | My Info | Model Dashboard | Logout
1. Investments
2. Allocation
3. Fees
4. Cash Flows
5. Reports
2.1 Select Hypothetical Type
Individual Investment(s)
Portfolio of Investments
Beginning Value
250000
2.2 Select Value Type
By Dollar or Share Value
or
As a Percentage of Portfolio
2.3 Enter Value
Symbol
Name
Type
Value Type
Value
AAPL
Apple Inc
ST
Percentage
10.00%
PTTRX
PIMCO:Tot Rtn;Inst
MF
Percentage
30.00%
SPY
SPDR S&P 500 ETF
ETF
Percentage
60.00%
Totals
100.00%
Page 1 of 1
Showing 1 - 3 of 3
2.4 Reinvest Dividends and/or Capital Gains
Symbol
Name
Type
Dividends
Capital Gains
AAPL
Apple Inc
ST
PTTRX
PIMCO:Tot Rtn;Inst
MF
SPY
SPDR S&P 500 ETF
ETF
Page 1 of 1
Showing 1 - 3 of 3
2.5 Select a Standard Time Horizon or Select Custom to Enter Asset Specific Begin and End Dates
Earliest Common Start Date 01/21/1993
Edit
1 Year
3 Years
5 Years
10 Years
Earliest Common Start Date 01/21/1993
Custom
which these investments are rebalanced to their origi
Back
Next
Cancel
2.5 Time Horizon
Select a Standard Time Horizon or a Custom Horizon

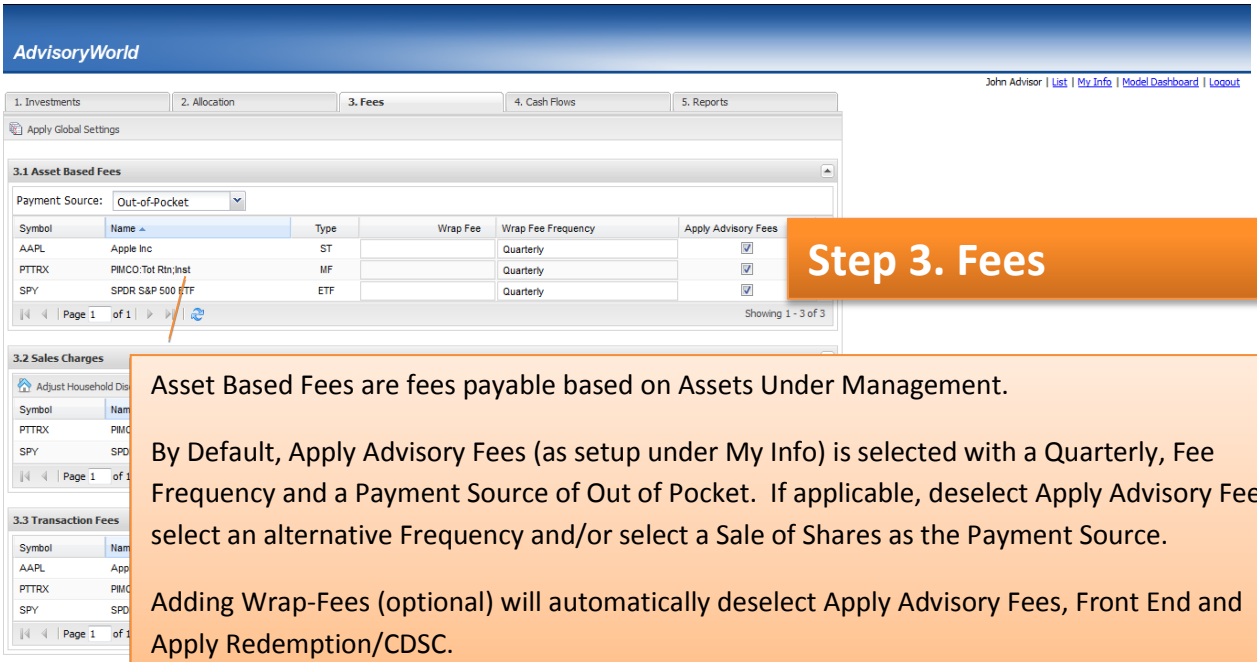

John Advisor | List | My Info | Model Dashboard | Logout
1. Investments
2. Allocation
3. Fees
4. Cash Flows
5. Reports
2.1 Select Hypothetical Type
Individual Investment(s)
Portfolio of Investments
Beginning Value
250000
2.2 Select Value Type
By Dollar or Share Value
or
As a Percentage of Portfolio
2.3 Enter Value
Symbol
Name
Type
Value Type
Value
AAPL
Apple Inc
ST
Percentage
10.00%
PTTRX
PIMCO:Tot Rtn;Inst
MF
Percentage
30.00%
SPY
SPDR S&P 500 ETF
ETF
Percentage
60.00%
Totals
100.00%
Page 1 of 1
Showing 1 - 3 of 3
2.4 Reinvest Dividends and/or Capital Gains
Symbol
Name
AAPL
Apple Inc
PTTRX
PIMCO:Tot Rtn;Inst
SPY
SPDR S&P 500 ETF
Page 1 of 1
2.5 Select a Standard Time Horizon or Select Custom to Enter Asset Specific Begin and
Custom
Edit
2.6 Rebalancing: Choose the frequency with which these investments are rebalanced to their original allocations
None
Back
Next
Cancel
To enter a custom horizon, choose Custom then Press Edit


Notice that you can specify any Time Horizon for any asset. Choose Custom to Enter a Custom period.
Specify Begin and End Dates for Each Asset, then press Save
Symbol
Name
Type
Time Horizon
Inception Date
End Date
Custom Start Date
Custom End Date
AAPL
Apple Inc
ST
Inception 04/04/1983
04/04/1983
12/06/2011
PTTRX
PIMCO:Tot Rtn;Inst
MF
05/11/1987
12/06/2011
SPY
SPDR S&P 500 ETF
ETF
01/22/1993
12/06/2011
1 Year
3 Year
5 Year
10 Year
Inception 04/04/1983
Custom
Save
Cancel


AdvisoryWorld
After entering Custom Start and End Dates for 1 asset you may click the Star to the right of the asset to apply the same period to all of the assets. Once complete, press Save.
Specify Begin and End Dates for Each Asset, then press Save
Symbol
Name
Type
Time Horizon
Inception Date
End Date
Custom Start Date
Custom End Date
AAPL
Apple Inc
ST
Custom
04/04/1983
12/06/2011
01/01/2008
12/31/2009
PTTRX
PIMCO:Tot Rtn;Inst
MF
05/11/1987
SPY
SPDR S&P 500 ETF
ETF
01/22/1993
Save
Cancel


Users may rebalance Portfolios as long as each of the assets shares a performance horizon, standard or custom.
John Advisor | List | My Info | Model Dashboard | Logout
1. Investments
2. Allocation
2.1 Select Hypothetical Type
Individual Investment(s)
Portfolio of Investments
2.2 Select Value Type
By Dollar or Share Value
As a Percentage of Portfolio
2.3 Enter Value
Symbol
Name
Type
Value Type
Value
AAPL
Apple Inc
ST
Percentage
10.00%
PTTRX
PIMCO:Tot Rtn;Inst
MF
Percentage
30.00%
SPY
SPDR S&P 500 ETF
ETF
Percentage
60.00%
Totals
100.00%
Page 1 of 1
Showing 1 - 3 of 3
2.4 Reinvest Dividends and/or Capital Gains
Dividends
Capital Gains
2.5 Select a Standard Time Horizon or Select Custom to Enter Asset Specific Begin and End Dates
None
Quarterly
Semi-Annually
Annually
Edit
Back
Next
Cancel


John Advisor | List | My Info | Model Dashboard | Logout
1. Investments
2. Allocation
3. Fees
4. Cash Flows
5. Reports
2.1 Select Hypothetical Type
Individual Investment(s)
Portfolio of Investments
Beginning Value
250000
2.2 Select Value Type
By Dollar or Share Value
As a Percentage of Portfolio
2.3 Enter Value
Symbol
Name
Type
Value Type
Value
AAPL
Apple Inc
ST
Percentage
10.00%
PTTRX
PIMCO:Tot Rtn;Inst
MF
Percentage
30.00%
SPY
SPDR S&P 500 ETF
ETF
Percentage
60.00%
Totals
100.00%
Page 1 of 1
2.4 Reinvest Dividends and/or Capital Gains
2.5 Select a Standard Time Horizon or Select Custom to Enter Asset Specific Begin and End Dates
Earliest Common Start Date 01/21/1993
Edit
2.6 Rebalancing: Choose the frequency with which these investments are rebalanced to their original allocations
Annually
Back
Next
Cancel
After completing Step 2 press Next to move onto Step 3, Cancel to return to the list or Back to return to Step 1.

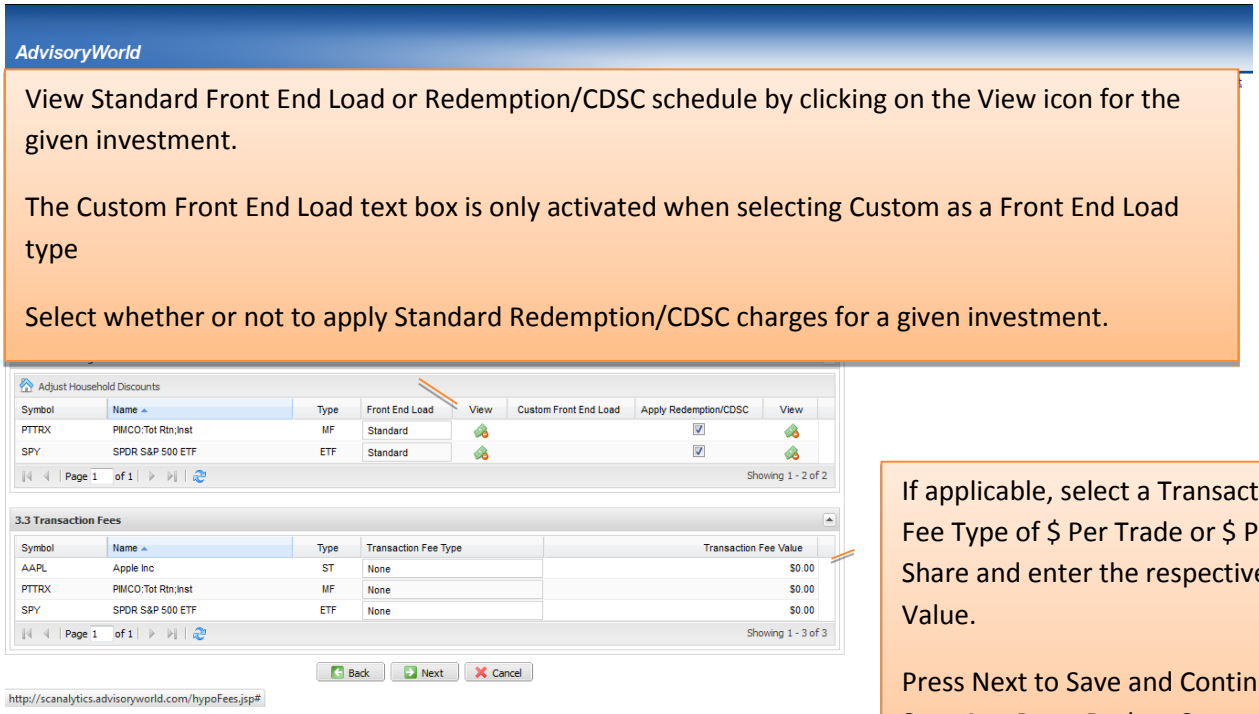


Step 3. Fees

Asset Based Fees are fees payable based on Assets Under Management.

By Default, Apply Advisory Fees (as setup under My Info) is selected with a Quarterly, Fee Frequency and a Payment Source of Out of Pocket. If applicable, deselect Apply Advisory Fees, select an alternative Frequency and/or select a Sale of Shares as the Payment Source.

Adding Wrap-Fees (optional) will automatically deselect Apply Advisory Fees, Front End and Apply Redemption/CDSC.



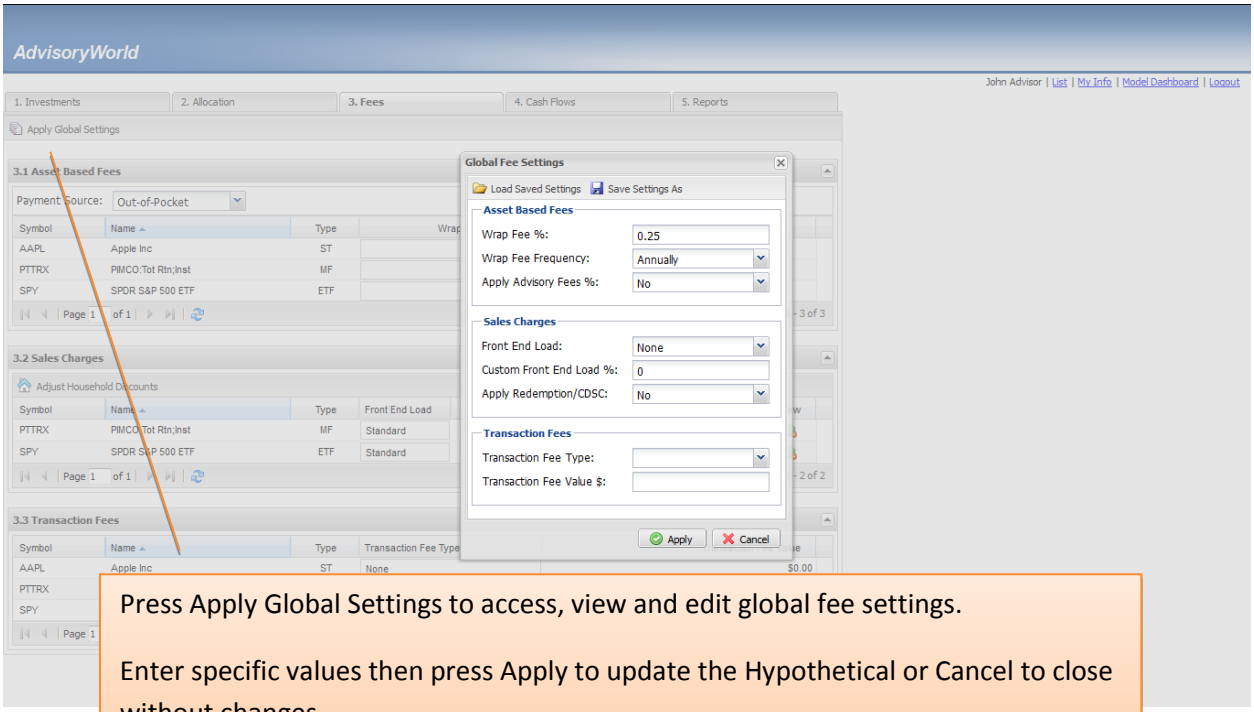
View Standard Front End Load or Redemption/CDSC schedule by clicking on the View icon for the given investment.

The Custom Front End Load text box is only activated when selecting Custom as a Front End Load type

Select whether or not to apply Standard Redemption/CDSC charges for a given investment.

If applicable, select a Transaction Fee Type of $ Per Trade or $ Per Share and enter the respective Fee Value.

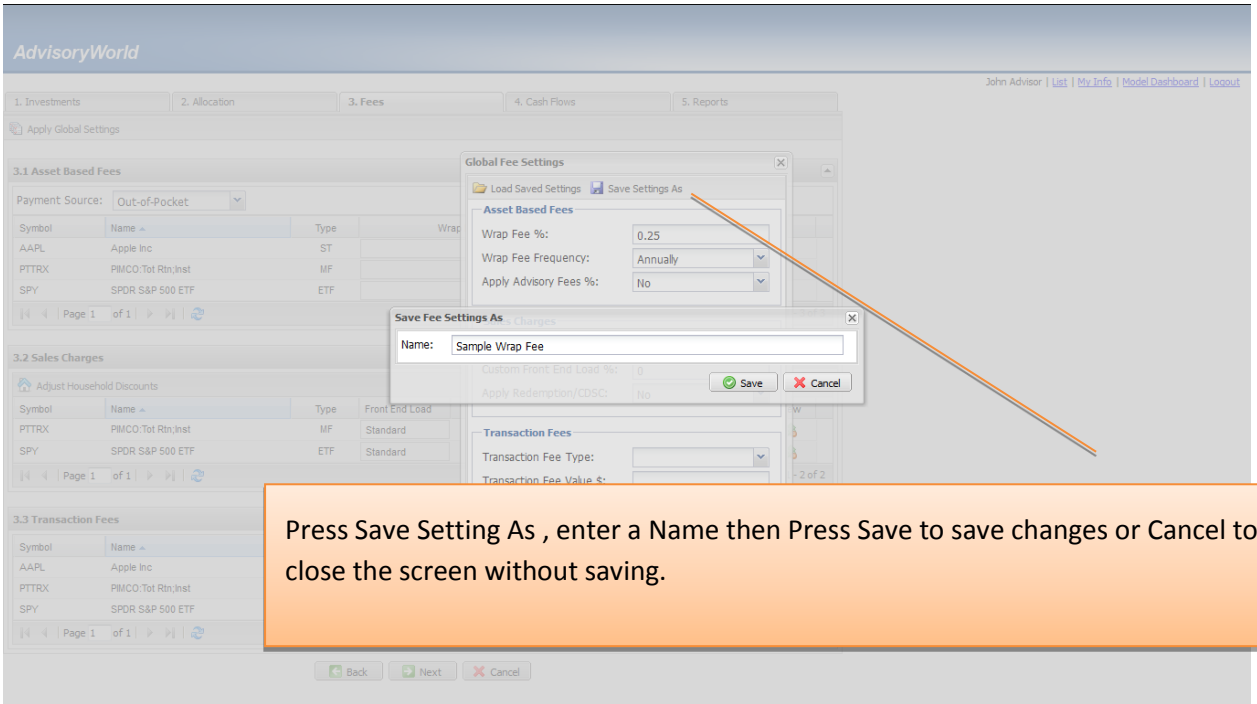
Press Next to Save and Continue to Step 4 or Press Back to Save and go back to Step 2.



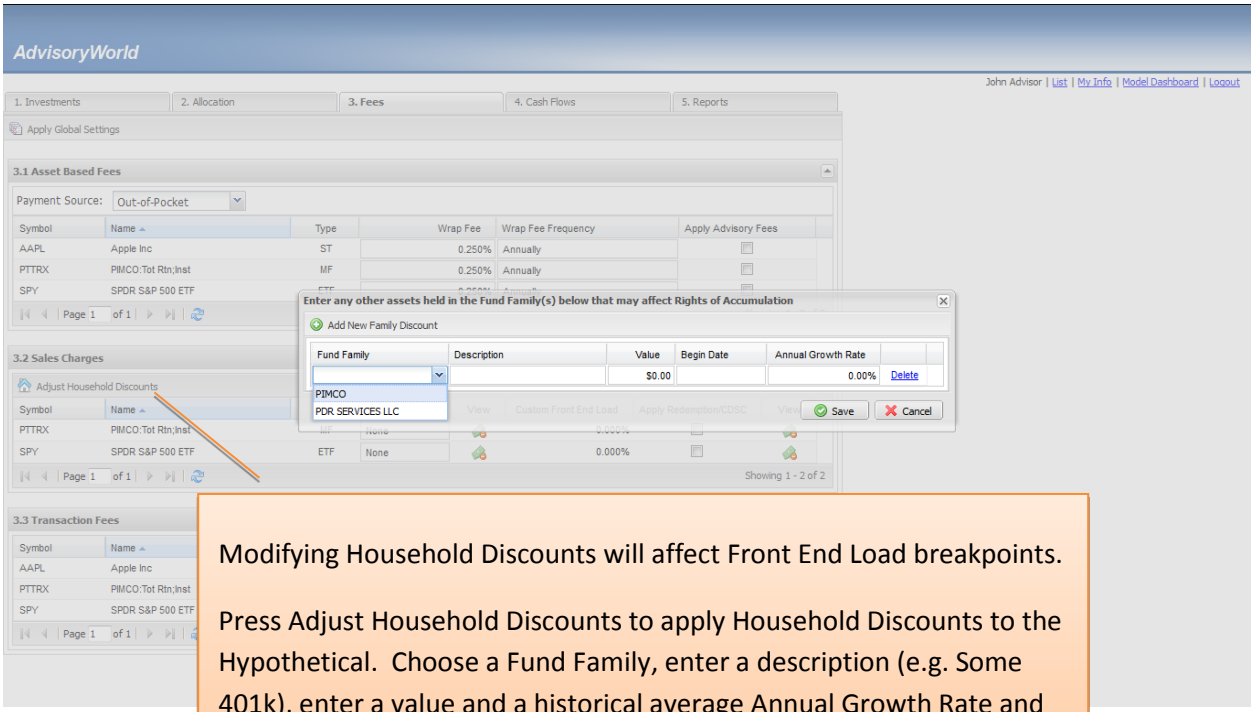
Press Apply Global Settings to access, view and edit global fee settings.

Enter specific values then press Apply to update the Hypothetical or Cancel to close without changes.

Access previously saved settings by pressing Load Saved Settings. Save Settings by pressing Save Settings As.

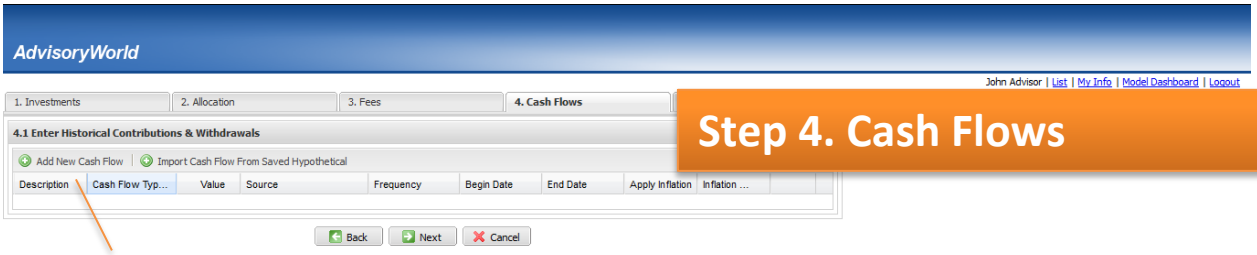


Press Save Setting As , enter a Name then Press Save to save changes or Cancel to close the screen without saving.



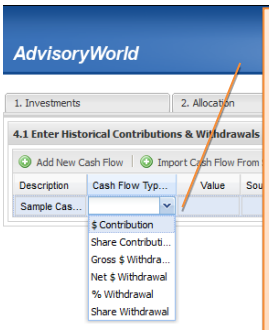
Modifying Household Discounts will affect Front End Load breakpoints.

Press Adjust Household Discounts to apply Household Discounts to the Hypothetical. Choose a Fund Family, enter a description (e.g. Some 401k), enter a value and a historical average Annual Growth Rate and then press Save to update the hypothetical or Cancel to close without saving any changes.



Step 4. Cash Flows

Press Add New Cash Flow to enter a historical Cash Flow.



Enter a Description for the Cash Flow

Select a Cash Flow Type

$ Contribution: Dollar amount added to an investment or distributed to a portfolio of investments

Share Contribution: Purchase shares of an investment

Gross $ Withdrawal: Dollar amount withdrawn from an investment or distributed from a portfolio of investments Not including all non-reinvested income and capital gain distributions

e.g. Gross $ Withdrawal = $500/month, Income and Capital Gains are not Reinvested and Income + Capital Gains during the month = $125… $500 is withdrawn from the Hypothetical (total income for the month=$625).

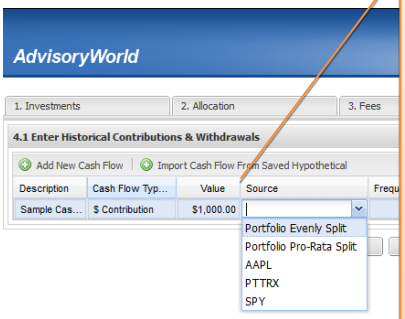
Net $ Withdrawal: Dollar amount withdrawn from an investment or a portfolio of investments

Including all non-reinvested income and capital gain distributions

e.g. Gross $ Withdrawal = $500/month, Income and Capital Gains are not Reinvested and Income + Capital Gains during the month = $125… $375 is withdrawn from the Hypothetical (total income for the month=$500).

% Withdrawal: Percentage of assets withdrawn from an investment or a portfolio of investments

Share Withdrawal: Sell shares of an investment



Enter a Value of the Cash Flow

Choose a Source of the Cash Flow

Portfolio Evenly Split: Evenly split the Cash Flow to or from the Portfolio on an evenly weighted basis

e.g. 2 investments in a portfolio 50% to or from each

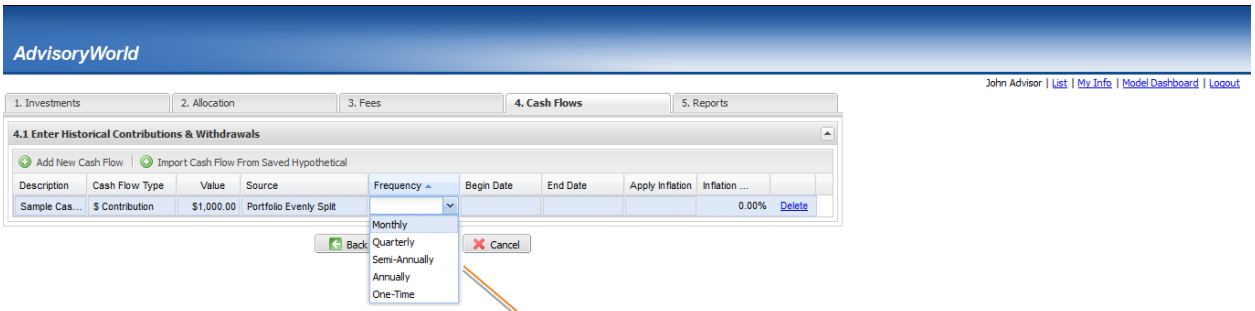
Does not display for Share Contribution or Share Withdrawal Cash Flow Type(s)

Portfolio Pro-Rata Split: Split the Cash Flow to or from the Portfolio based on the weights specified in Step 2. Allocation.

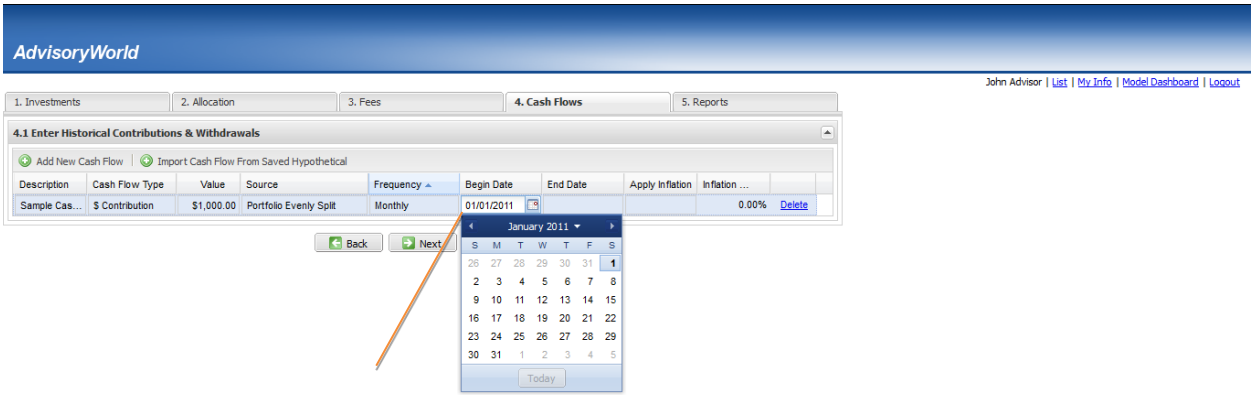
e.g. Step 2. Allocation investments split 60%:40%, Cash Flow applied to or from each using the same weighting

If Dollar Value or Share Value entered in Step 2 then the ratio will be calculated by the application according to the weightings of the assets in their first common start date.

Investment Ticker: Apply the Cash Flow to or from the investment



Select the Frequency of the Cash Flow

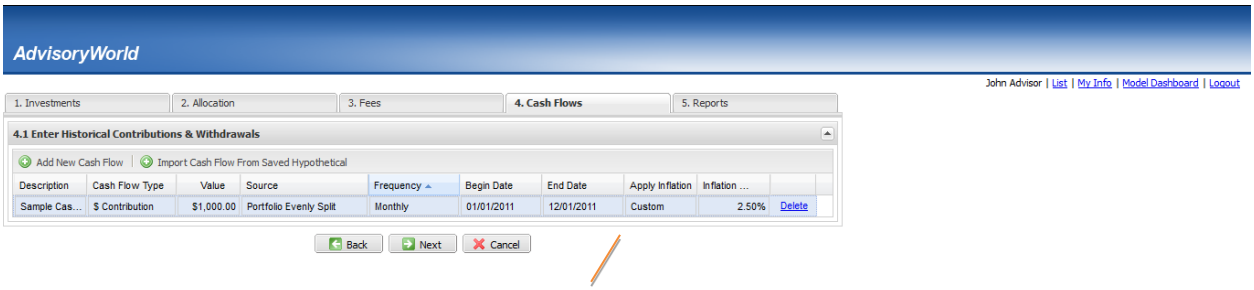


Either manually enter the Begin Date and End Date for the Cash Flow or select it from the Calendar.

Date must be in the mm/dd/yyyy format.

End Date must be after the Begin Date

http://scanalytics.advisoryworld.com/hypoCashFlow.jsp#



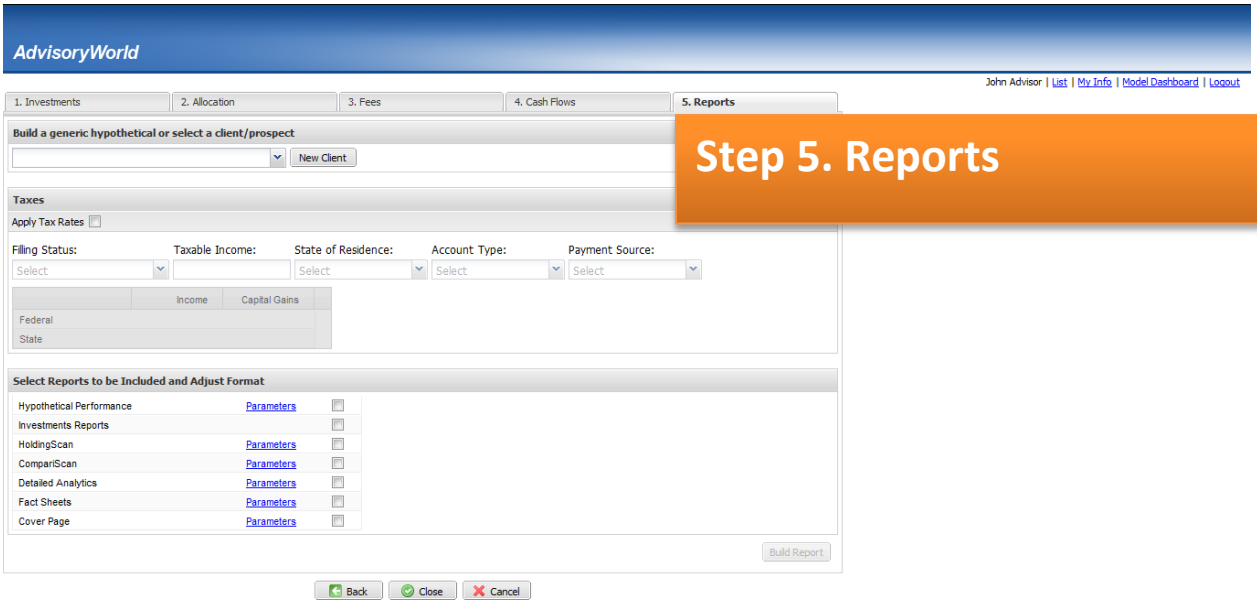
Select whether or not to Apply Inflation

Historical CPI applies actual, historical inflation figures as provided by the United States Department of Labor Statistics Bureau.

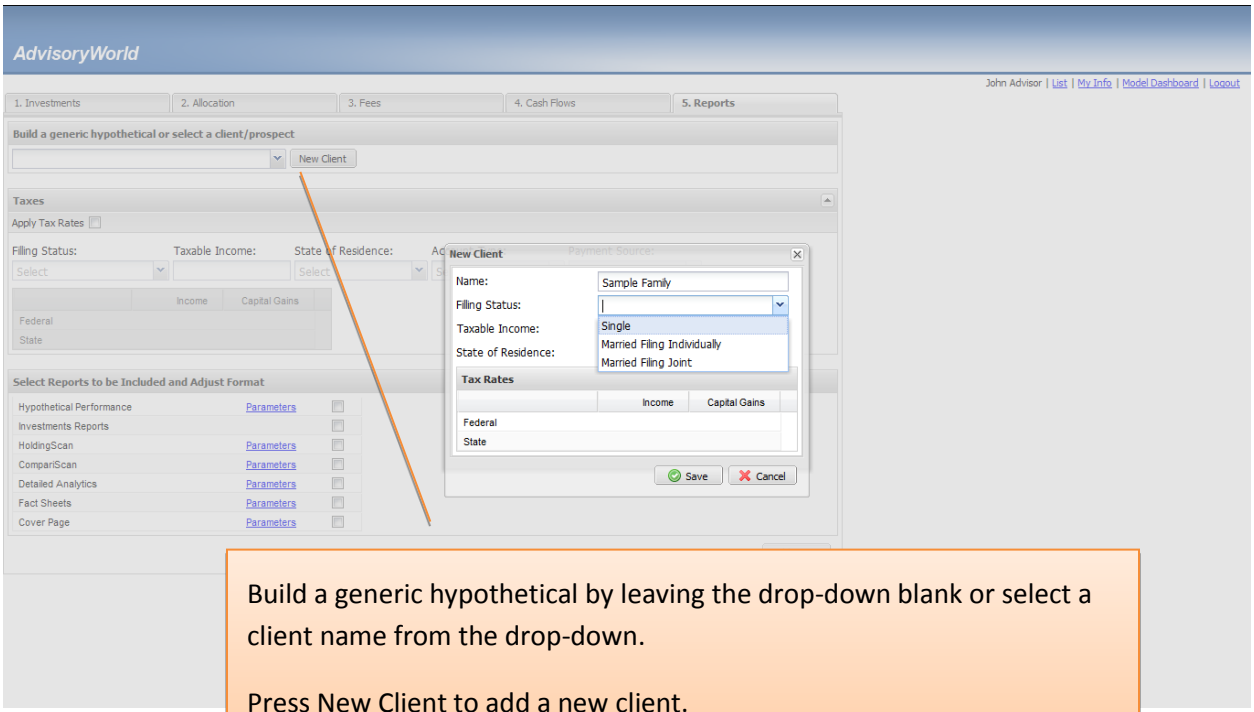
The Inflation Rate text box is only activated when Custom Inflation is Applied.

Delete a Cash Flow row by clicking the Delete hyperlink

Press Next to Save and Continue to Step 5 or Press Back to Save and go back to Step 3.



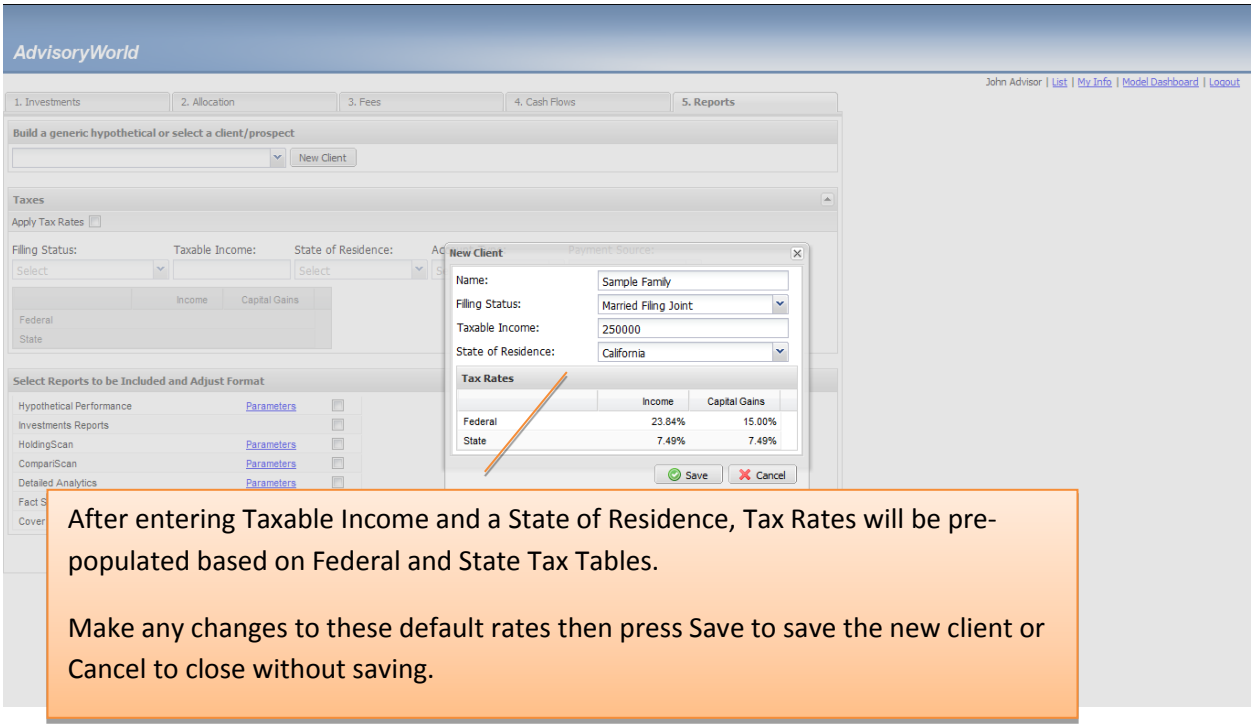
Step 5. Reports



Build a generic hypothetical by leaving the drop-down blank or select a client name from the drop-down.

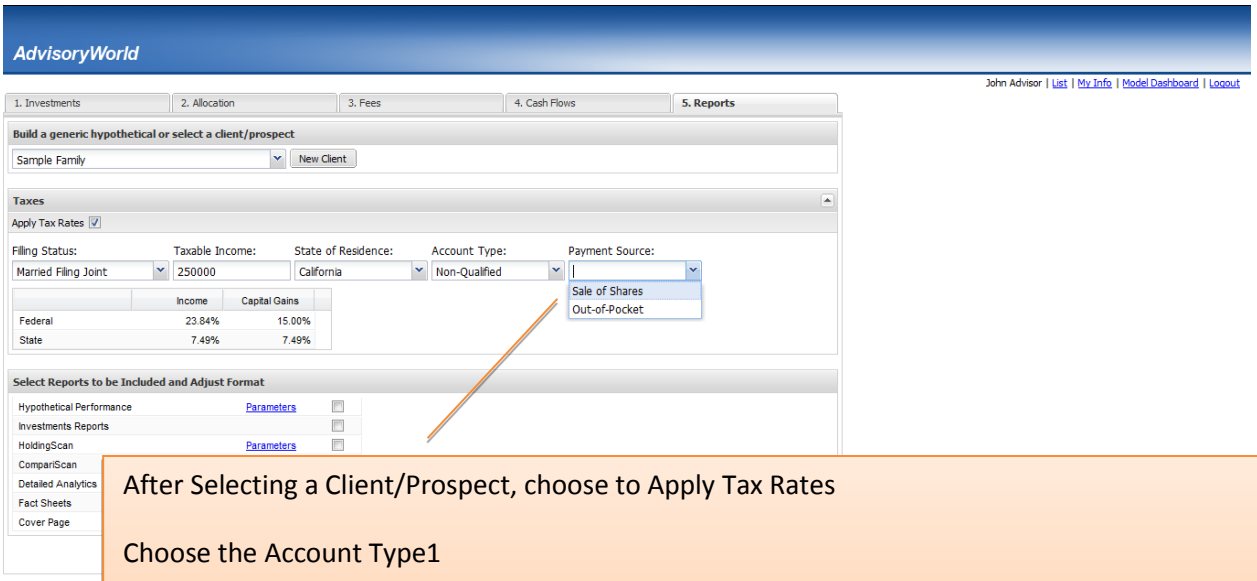
Press New Client to add a new client.

Enter a Name and Filing Status



After entering Taxable Income and a State of Residence, Tax Rates will be pre-populated based on Federal and State Tax Tables.

Make any changes to these default rates then press Save to save the new client or Cancel to close without saving.



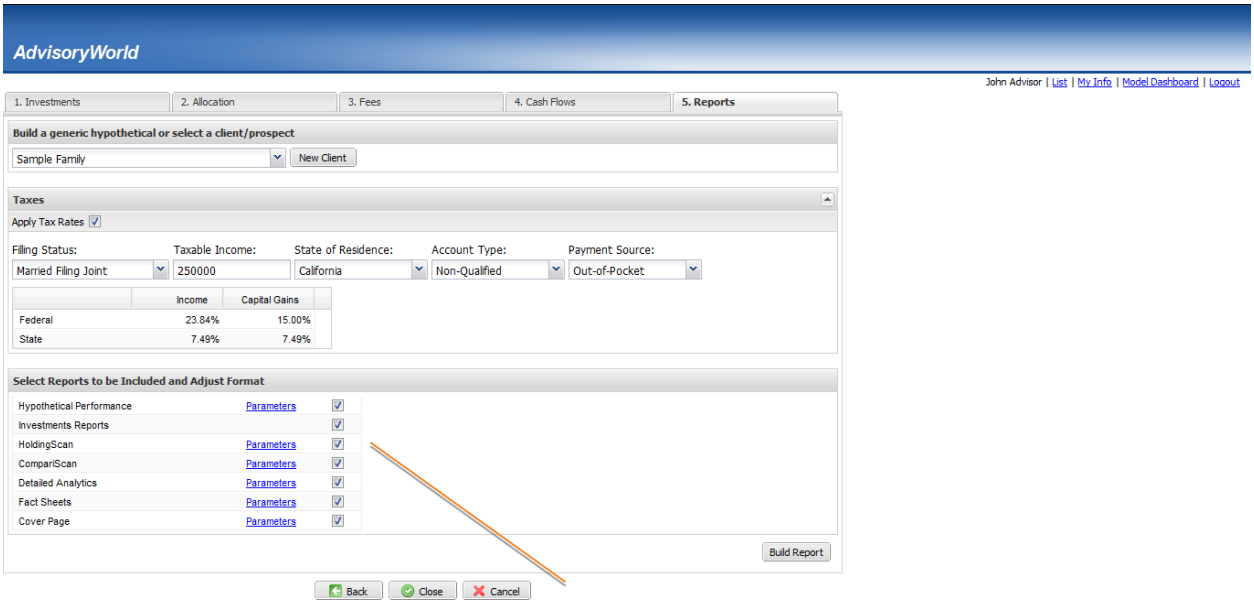
After Selecting a Client/Prospect, choose to Apply Tax Rates

Choose the Account Type1

Non-Qualified: All realized gains and distributions taxed as income and/or capital gains depending on purchase date

FIFO assumption

Qualified: All withdrawals taxed as income



Select the reports that you'd like to Build

Hypothetical Performance: Displays historical hypothetical performance of the Investment or Portfolio of Investments including annual and cumulative metrics plus principal, capital gain and income accumulation.

Investment Reports: Include Standard & Poor's investment fact sheets for each of the investments in the hypothetical.

HoldingScan: Displays asset allocation, performance, risk vs. return, aggregate/average expense, equity and bond metrics and underlying sector, country on holding allocations.

CompariScan: Compare 2 portfolios, models or investments side-by-side with quantitative analysis covering all of the same items as the HoldingScan.

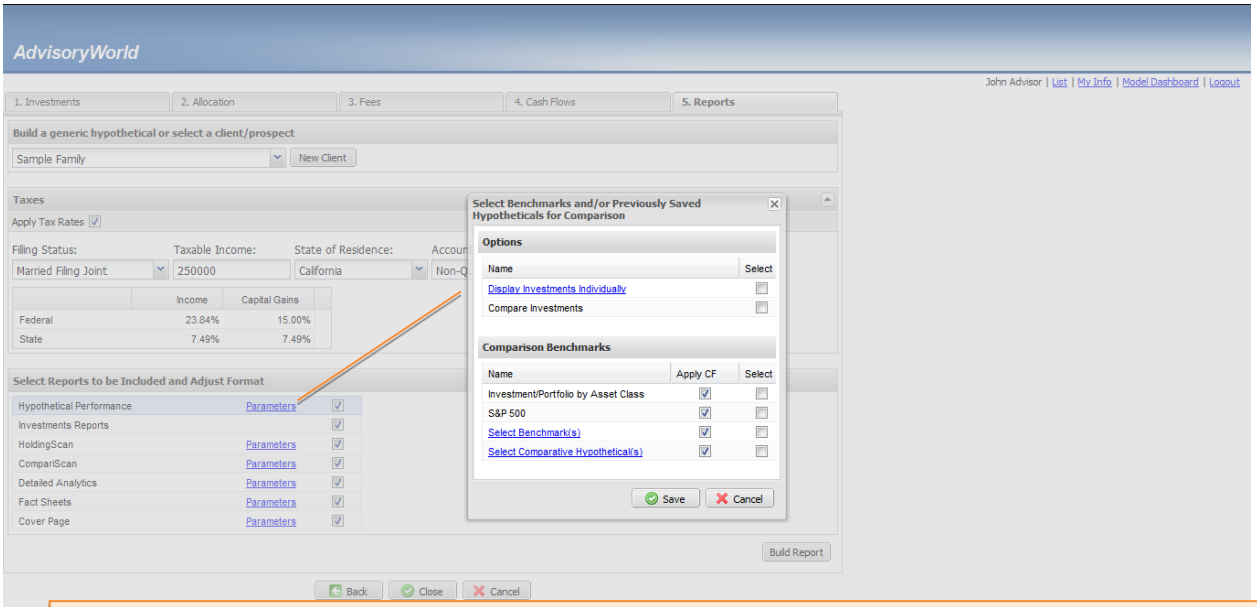
Detailed Analytics: Investment performance vs. peer groups, year over year performance, detailed MPT Statistical Analysis, Returns Based Style Analysis and Monte Carlo simulation.

Fact Sheets: 1 Page Portfolio and/or Investment Fact Sheets covering performance and holding information along with fee and management information.

Allocation Report: Landscape Orientation. Displays large format asset allocation, performance, risk vs. return, aggregate/average expense, equity and bond metrics and underlying sector, country on holding allocations.

Company Fact Sheets: Include company provided PDF investment fact sheets for each of the investments in the hypothetical.

Cover Page: Add a cover page to the report



Clicking on Parameters next to the Hypothetical Performance report opens the Hypothetical parameters form.

Display Investment(s) Individually: If a Portfolio of Investments is selected, the investments within the Hypothetical may be analyzed as well as the portfolio. Click the Hyperlink to select which Investment(s) to analyze.

Compare Investments Individually: Display performance of the investments in an aggregate graph as well as displaying the investments individually.

Investment/Portfolio by Asset Class: Compare the Investment or Portfolio of Investments to the Asset Class or Blend of Asset Classes.

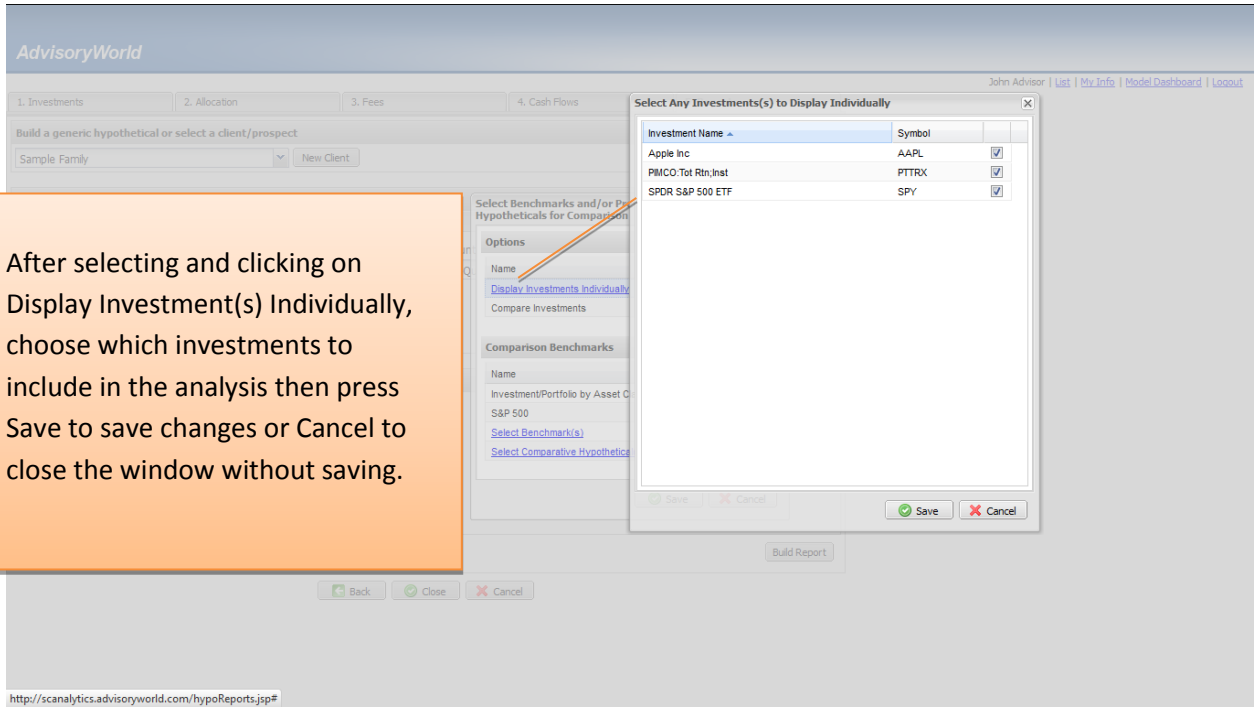
e.g. Portfolio of Investments consisting of 50% Investment A (whose asset class is Large Cap Growth) and 50% Investment B (whose asset class is Municipal Bonds), Portfolio by Asset Class is 50% Russell 1000 Growth and 50% Barclays Municipal Bond Index.

S&P 500: Compare the Hypothetical to the S&P 500

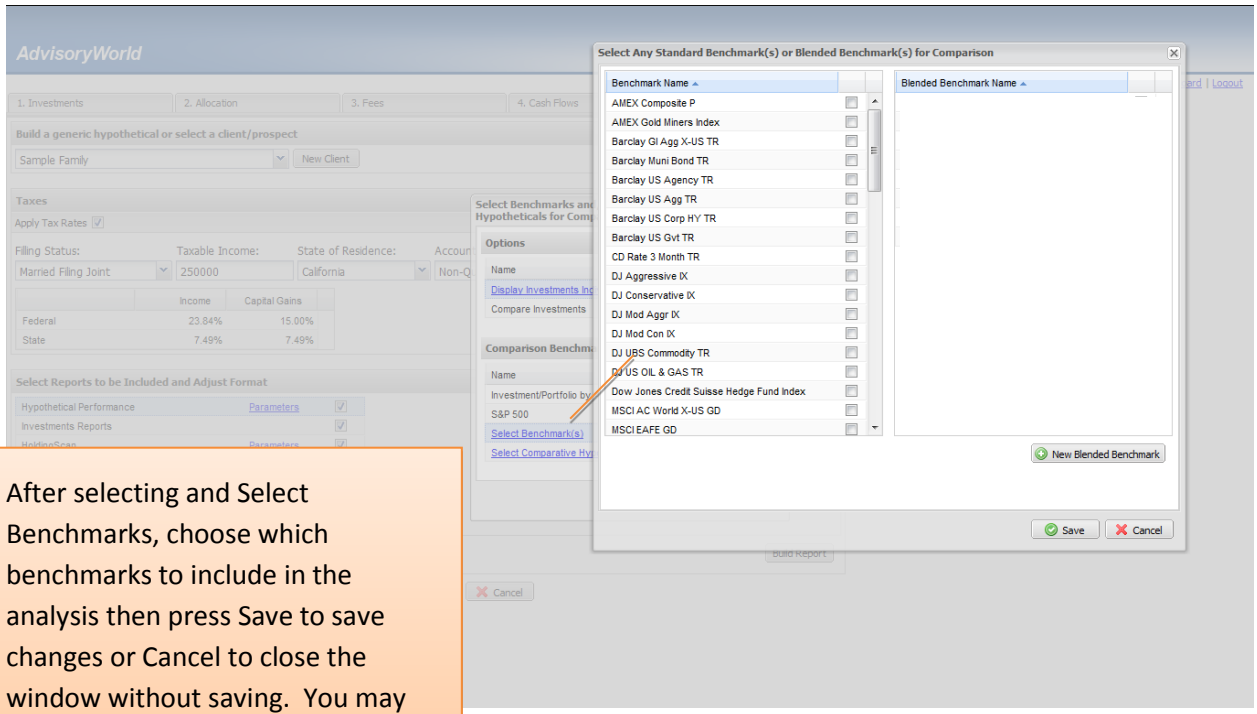
Select Benchmarks: Click Hyperlink and choose from a series of commonly used Benchmarks or Blended Benchmarks

Select Comparative Hypotheticals: Click Hyperlink and choose from any of your previously Saved hypothetical illustrations.

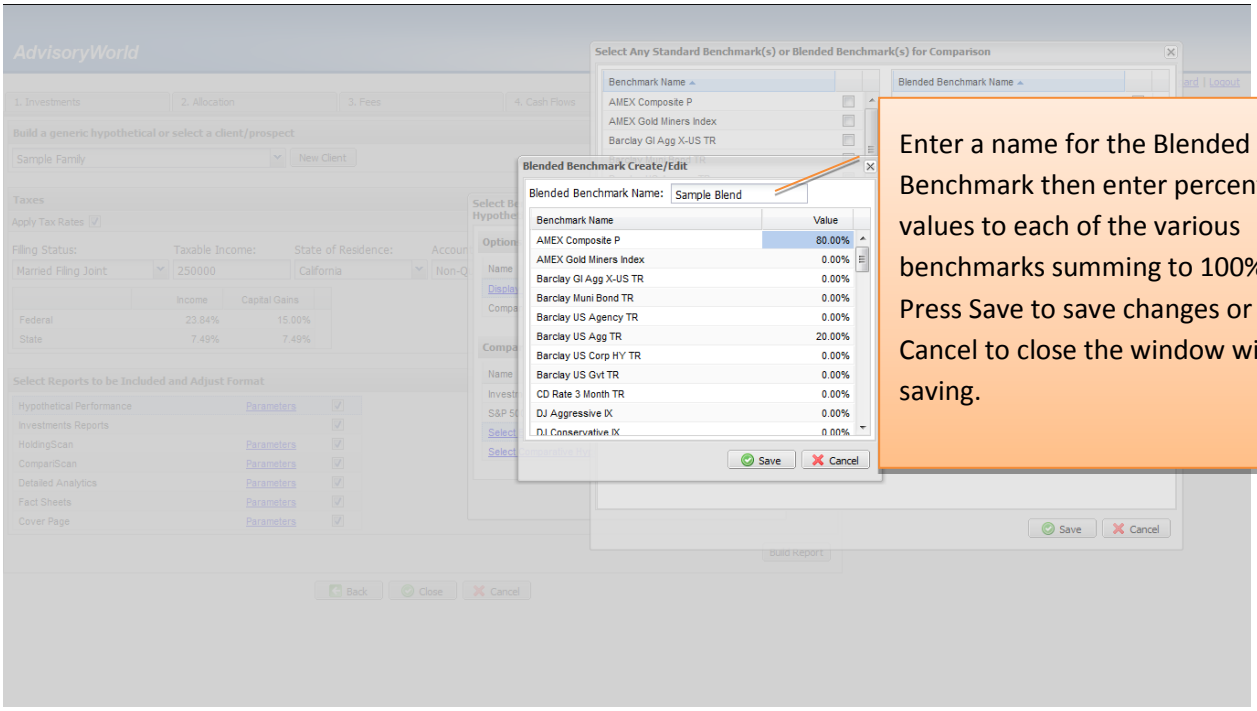
Selecting Apply CF applies the same Cash Flows of the primary hypothetical to the comparison benchmarks or hypotheticals.



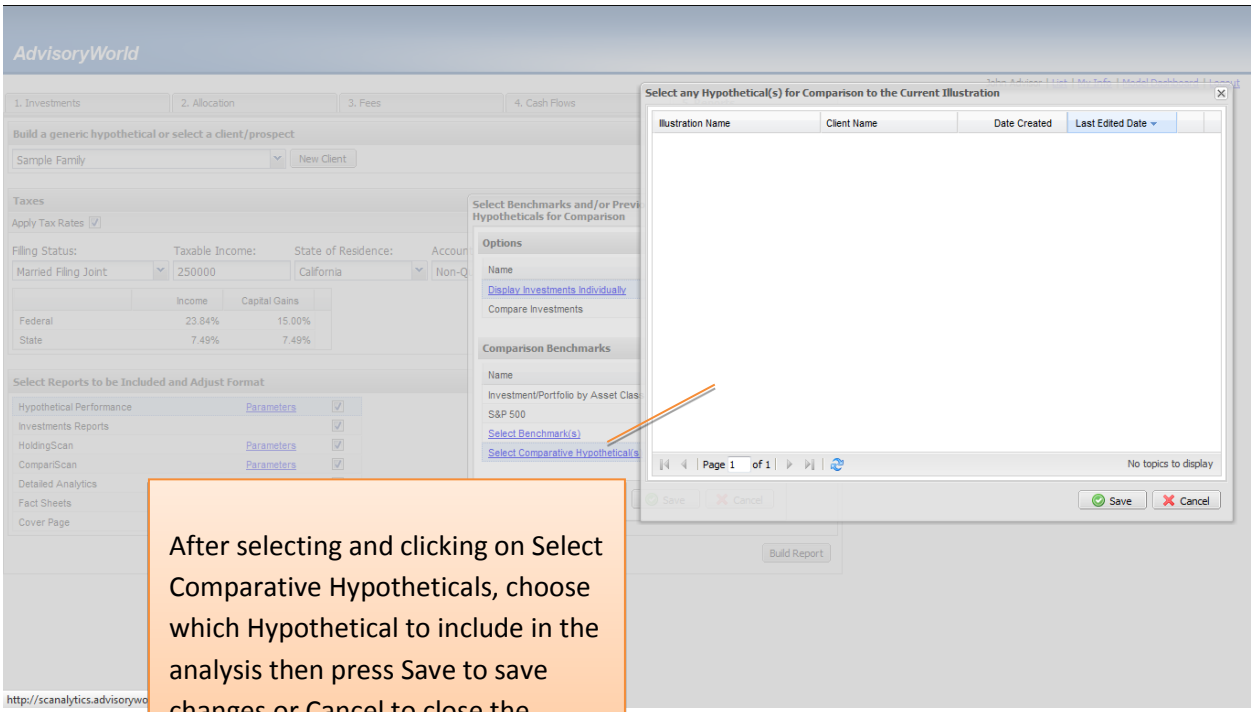
After selecting and clicking on Display Investment(s) Individually, choose which investments to include in the analysis then press Save to save changes or Cancel to close the window without saving.



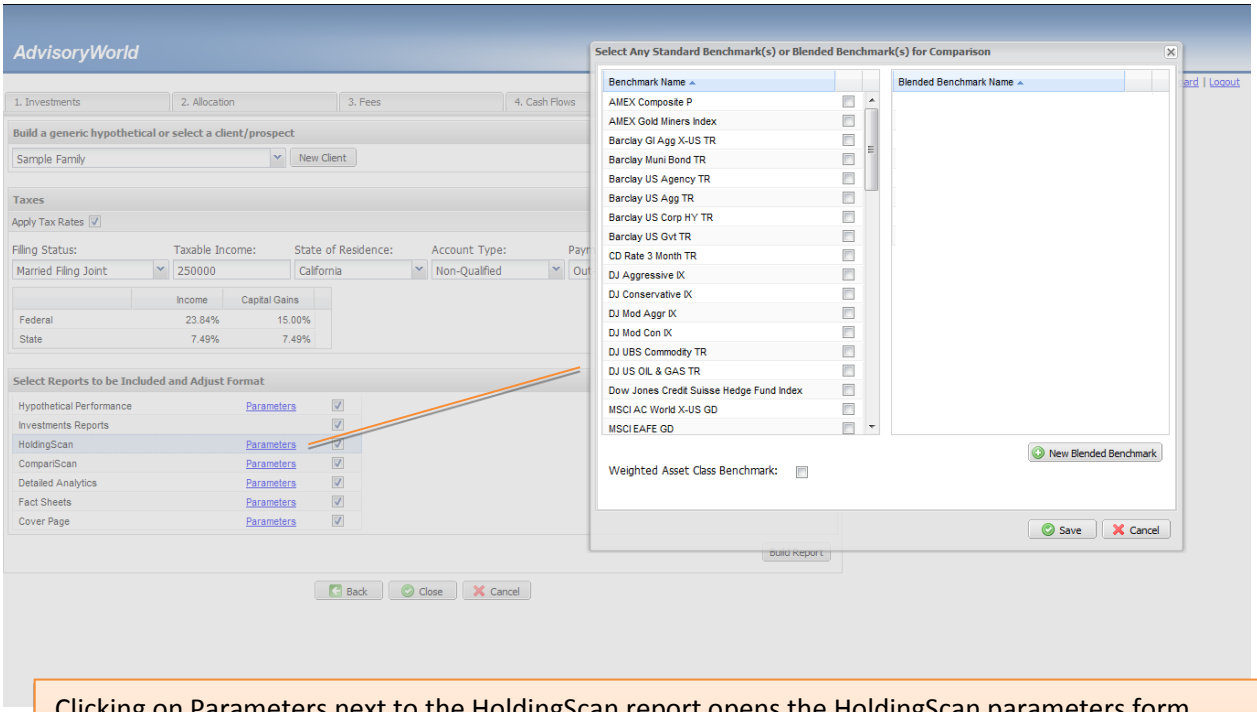
After selecting and Select Benchmarks, choose which benchmarks to include in the analysis then press Save to save changes or Cancel to close the window without saving. You may also create New Blended Benchmarks by pressing the appropriately titled button.


AdvisoryWorld
Select Any Standard Benchmark(s) or Blended Benchmark(s) for Comparison
Benchmark Name
Blended Benchmark Name
AMEX Composite P
AMEX Gold Miners Index
Barclay GI Agg X-US TR
Blended Benchmark Create/Edit
Blended Benchmark Name: Sample Blend
Benchmark Name
Value
AMEX Composite P 80.00%
AMEX Gold Miners Index 0.00%
Barclay GI Agg X-US TR 0.00%
Barclay Muni Bond TR 0.00%
Barclay US Agency TR 0.00%
Barclay US Agg TR 20.00%
Barclay US Corp HY TR 0.00%
Barclay US Gvt TR 0.00%
CD Rate 3 Month TR 0.00%
DJ Aggressive IX 0.00%
DJ Conservative IX 0.00%
Save
Cancel

Enter a name for the Blended Benchmark then enter percentage values to each of the various benchmarks summing to 100%. Press Save to save changes or Cancel to close the window without saving.

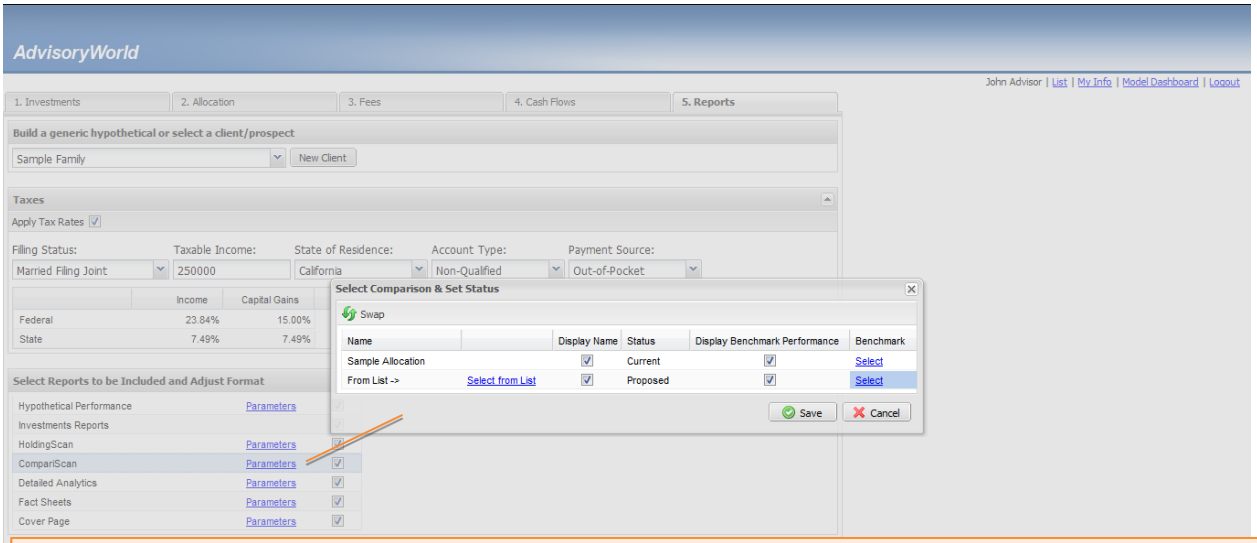


After selecting and clicking on Select Comparative Hypotheticals, choose which Hypothetical to include in the analysis then press Save to save changes or Cancel to close the window without saving.



Clicking on Parameters next to the HoldingScan report opens the HoldingScan parameters form.

By Default the Weighted Asset Class Benchmark is used for comparative purposes (i.e. historical performance, risk return matrix and MPT statistics). Choose any other Benchmark or a Blended Benchmark for comparative purposes then press Save to save changes or Cancel to close the window without saving. You may also create New Blended Benchmarks by pressing the appropriately titled button.

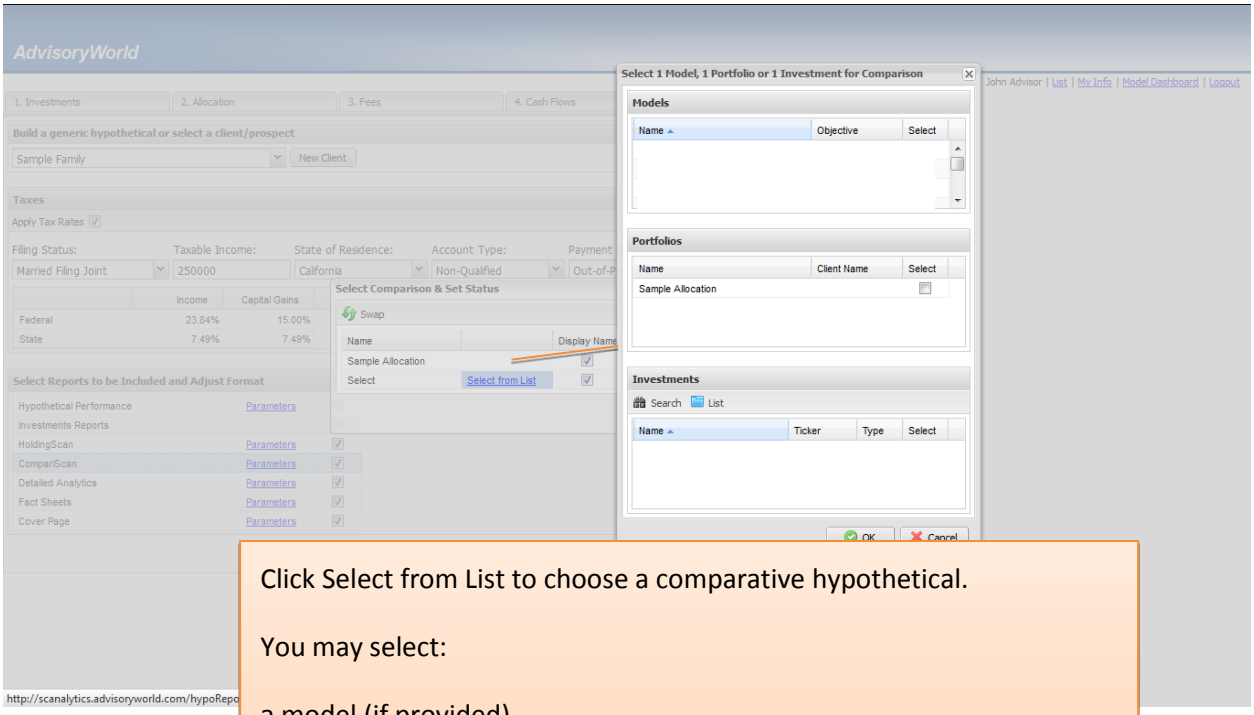


Clicking on Parameters next to the CompariScan report opens the CompariScan parameters form.

To Display the Name of the Hypothetical in the report check Display Name, otherwise only the Status will display.

Choose a Status for the primary hypothetical (e.g. Current). This Status will display on the report.

Choose to display Benchmark performance (i.e. on line graphs and scatter graphs).



Click Select from List to choose a comparative hypothetical.

You may select:

a model (if provided)

a previously saved Portfolio

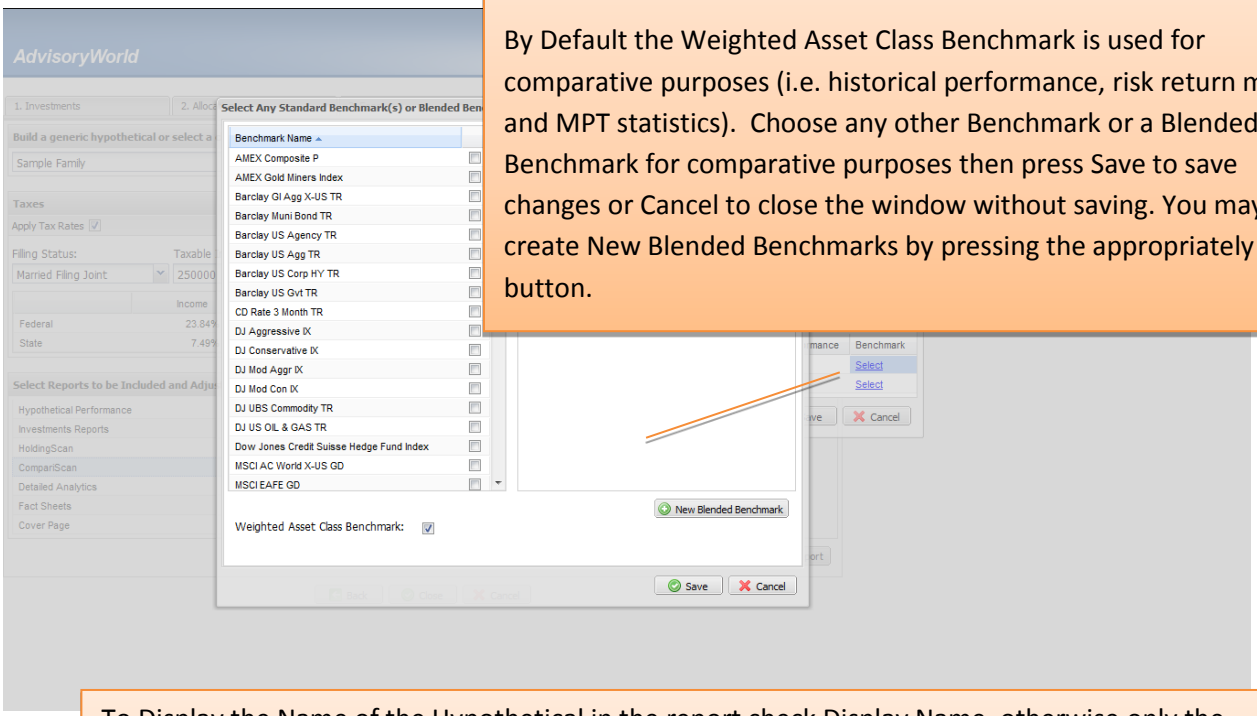
-or-

any Investment (find investments by pressing Search and entering a name or ticker) or by using the List option.

After selecting the comparison hypothetical press OK to save changes or Cancel to close the window without saving.

Click Select Benchmark to choose the benchmark for the given hypothetical.

By Default the Weighted Asset Class Benchmark is used for comparative purposes (i.e. historical performance, risk return matrix and MPT statistics). Choose any other Benchmark or a Blended Benchmark for comparative purposes then press Save to save changes or Cancel to close the window without saving. You may also create New Blended Benchmarks by pressing the appropriately titled button.

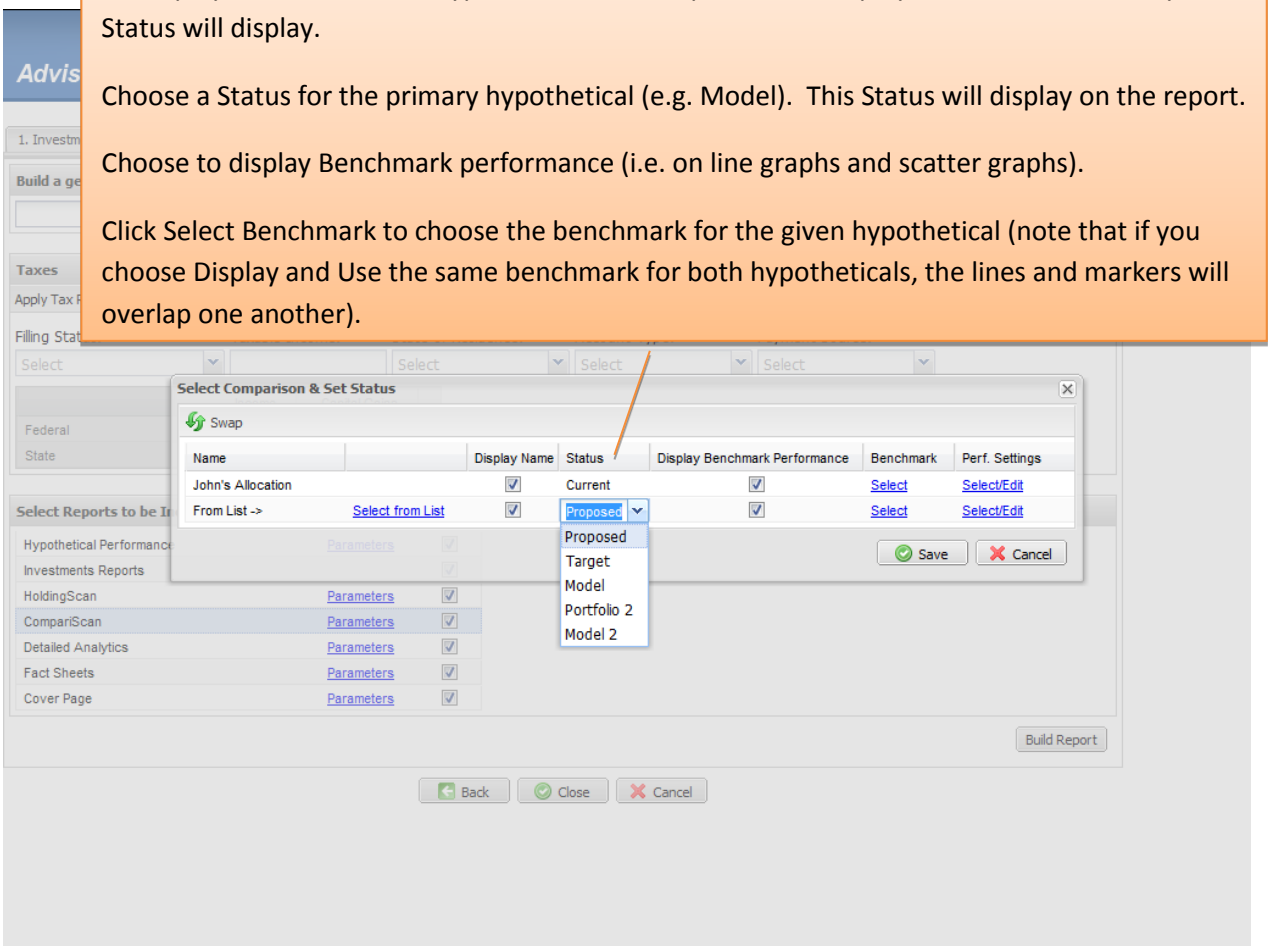


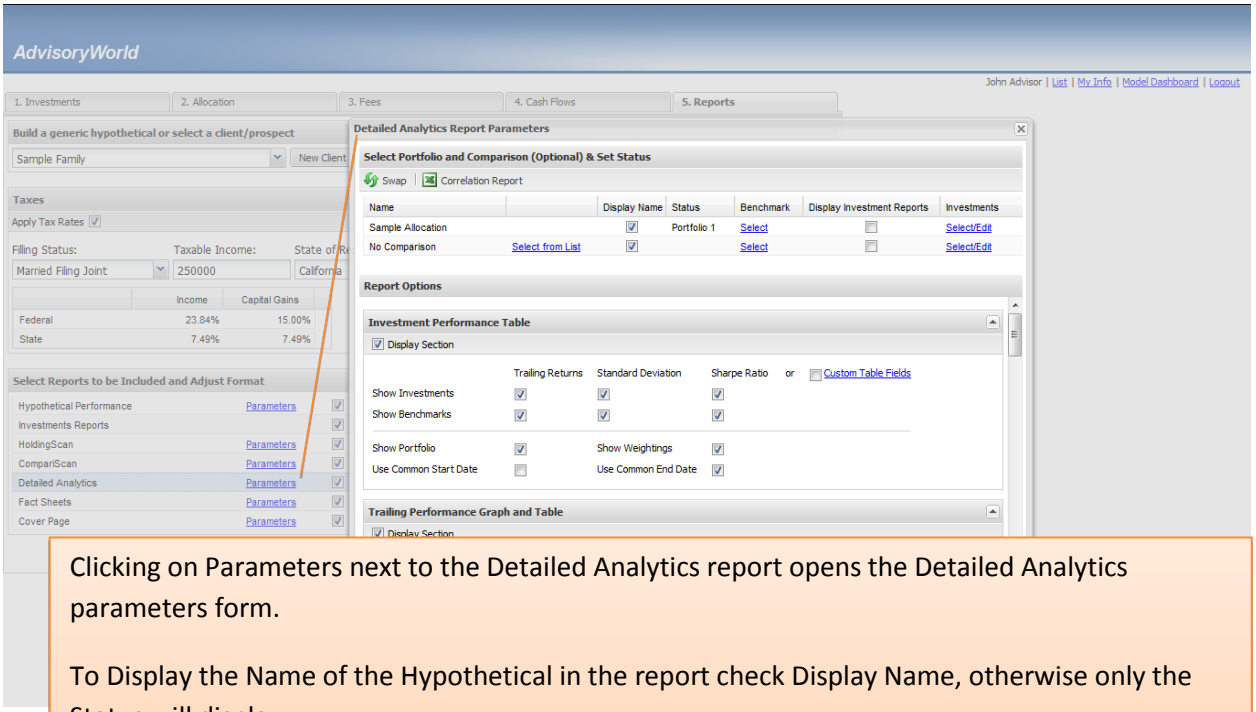
To Display the Name of the Hypothetical in the report check Display Name, otherwise only the Status will display.

Choose a Status for the primary hypothetical (e.g. Model). This Status will display on the report.

Choose to display Benchmark performance (i.e. on line graphs and scatter graphs).

Click Select Benchmark to choose the benchmark for the given hypothetical (note that if you choose Display and Use the same benchmark for both hypotheticals, the lines and markers will overlap one another).





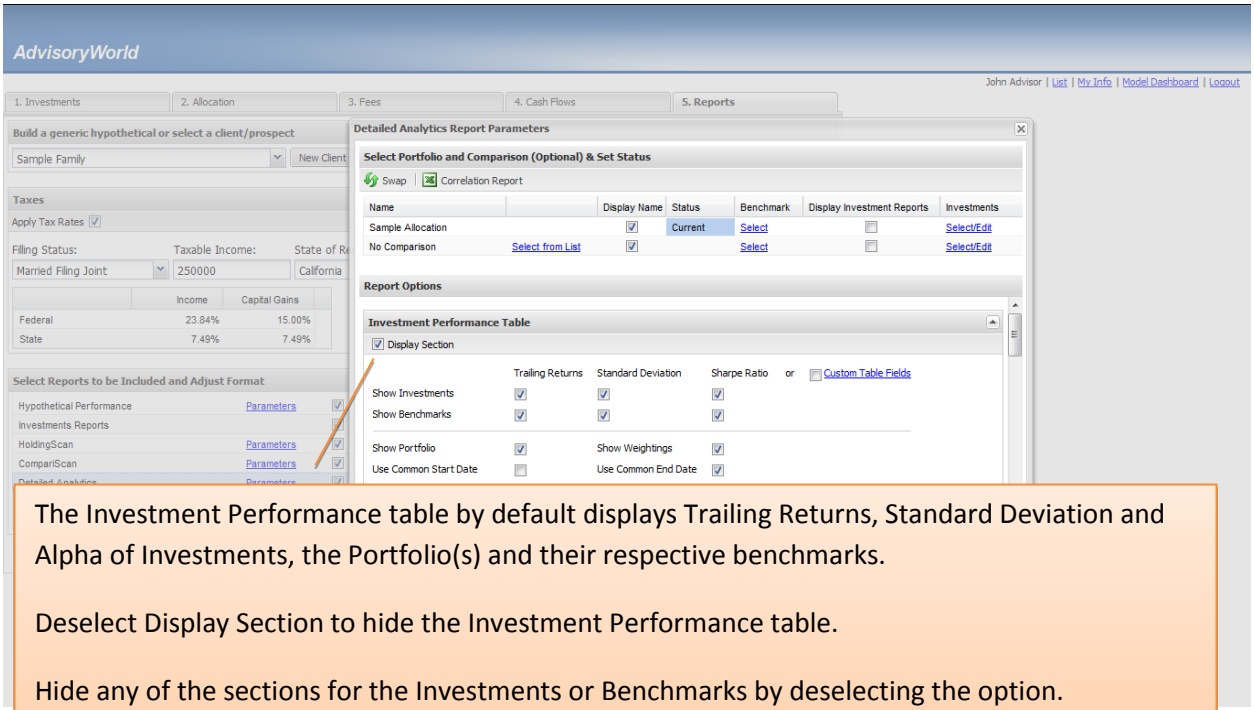
Clicking on Parameters next to the Detailed Analytics report opens the Detailed Analytics parameters form.

To Display the Name of the Hypothetical in the report check Display Name, otherwise only the Status will display.

Choose a Status for the primary hypothetical (e.g. Current). This Status will display on the report.

Click Select Benchmark to choose a benchmark for comparative performance purposes (i.e. on line graphs and scatter graphs). By Default the Weighted Asset Class Benchmark will be used.

Select Comparison Portfolios using the same methods as described in the CompariScan parameters section found on page 39 of this manual.



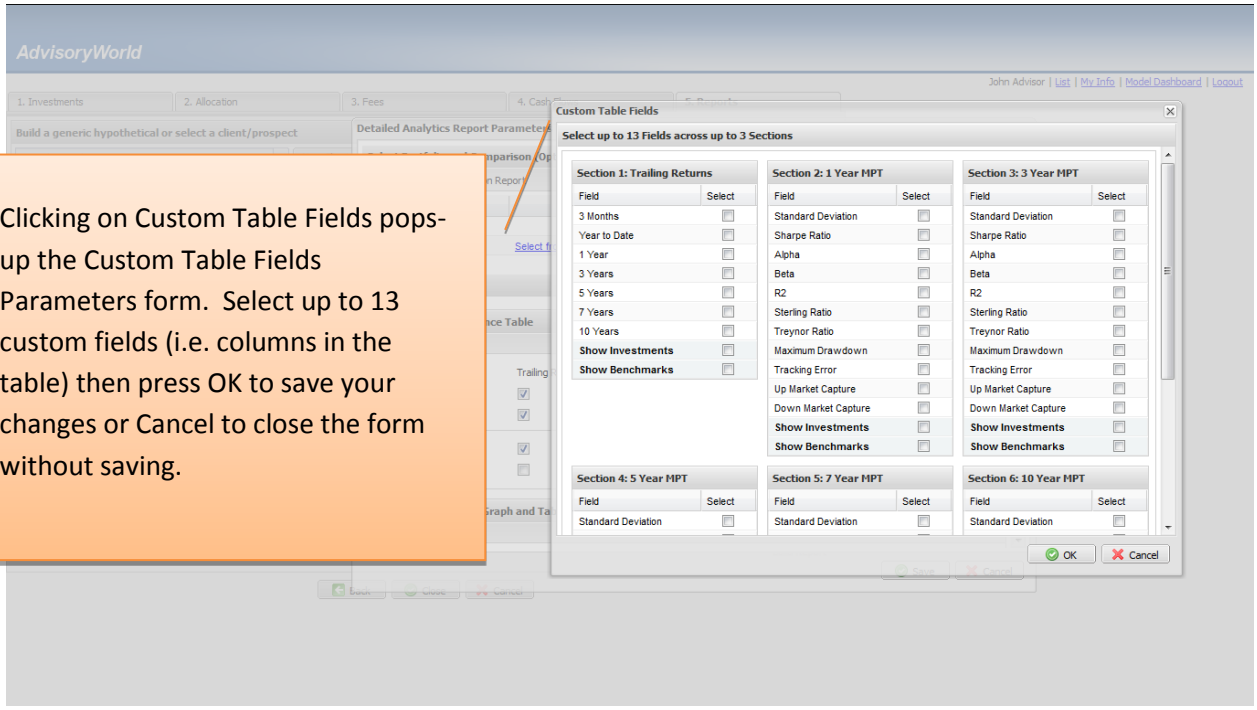
The Investment Performance table by default displays Trailing Returns, Standard Deviation and Alpha of Investments, the Portfolio(s) and their respective benchmarks.

Deselect Display Section to hide the Investment Performance table.

Hide any of the sections for the Investments or Benchmarks by deselecting the option.

Use Common Start and End Date is selected by default. By deselecting either of these options each investment's time horizon will be independent of the other assets in the portfolio.

Display alternative columns in the investment performance table by clicking Custom Table Fields.

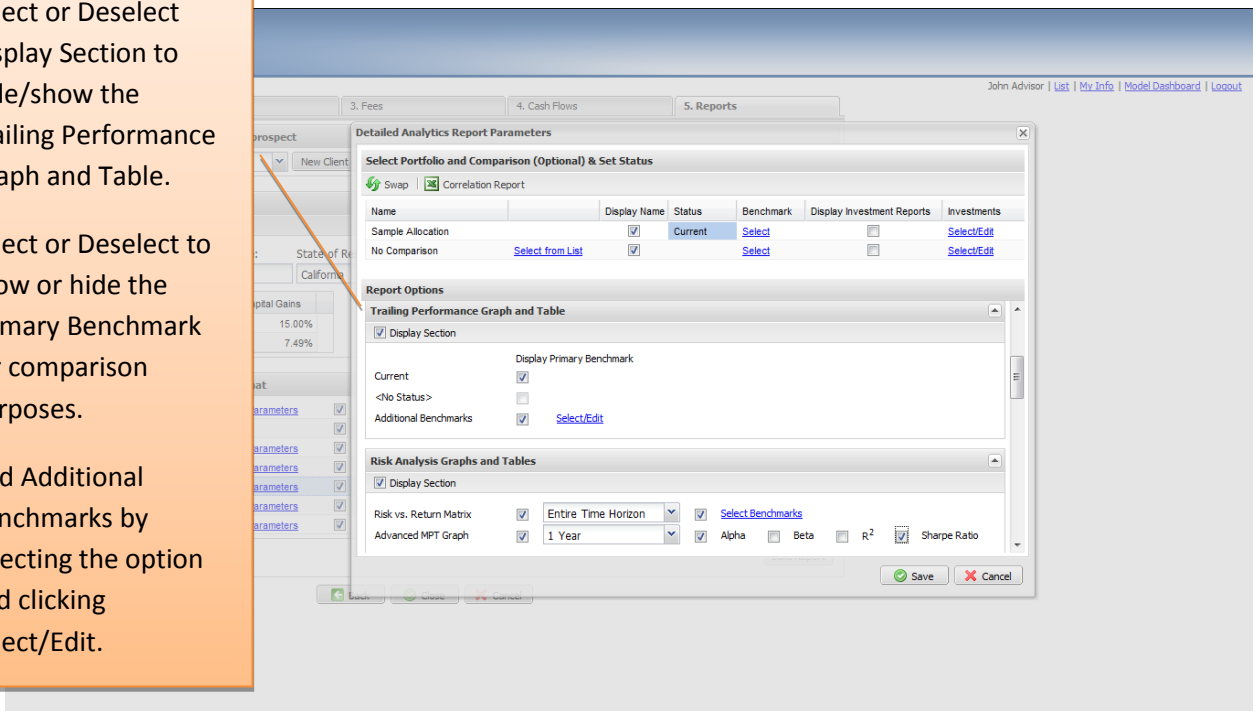

AdvisoryWorld
Custom Table Fields
Select up to 13 Fields across up to 3 Sections
Section 1: Trailing Returns
Section 2: 1 Year MPT
Section 3: 3 Year MPT
Section 4: 5 Year MPT
Section 5: 7 Year MPT
Section 6: 10 Year MPT
OK
Cancel

Clicking on Custom Table Fields pops-up the Custom Table Fields Parameters form. Select up to 13 custom fields (i.e. columns in the table) then press OK to save your changes or Cancel to close the form without saving.

Select or Deselect Display Section to hide/show the Trailing Performance Graph and Table.

Select or Deselect to show or hide the Primary Benchmark for comparison purposes.

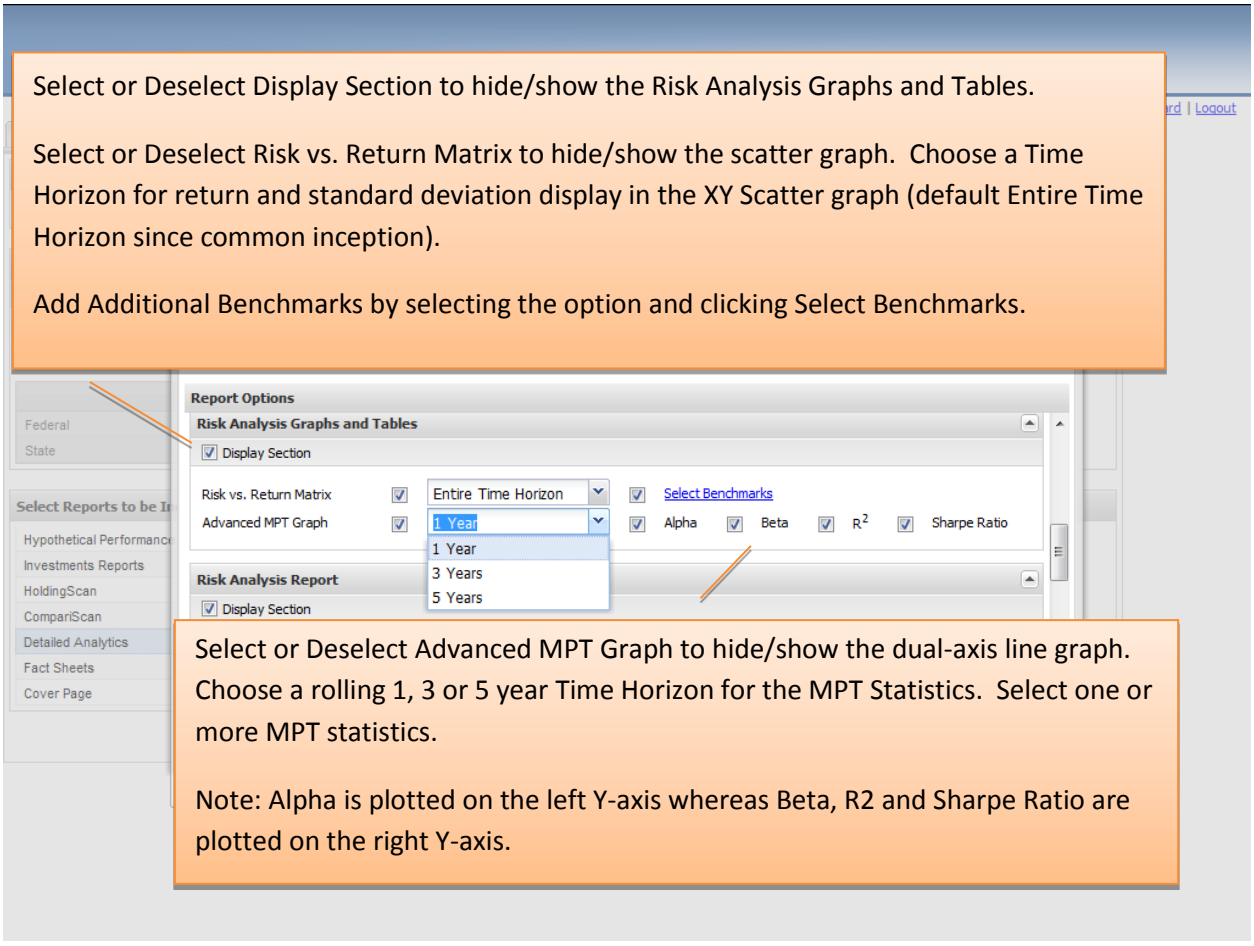
Add Additional Benchmarks by selecting the option and clicking Select/Edit.



Select or Deselect Display Section to hide/show the Risk Analysis Graphs and Tables.

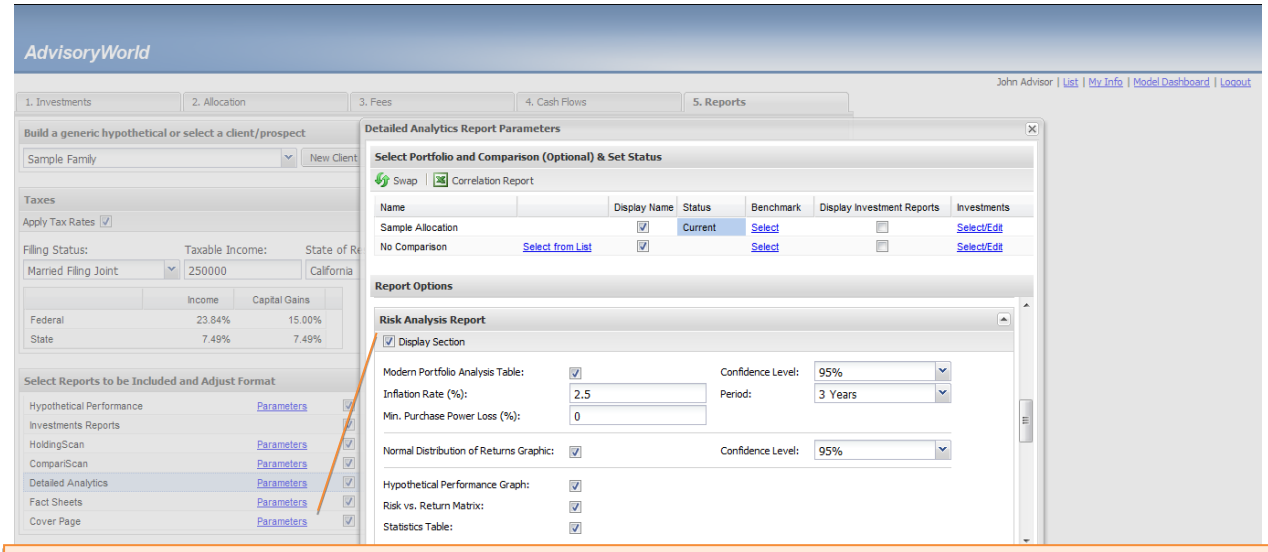
Select or Deselect Risk vs. Return Matrix to hide/show the scatter graph. Choose a Time Horizon for return and standard deviation display in the XY Scatter graph (default Entire Time Horizon since common inception).

Add Additional Benchmarks by selecting the option and clicking Select Benchmarks.



Select or Deselect Advanced MPT Graph to hide/show the dual-axis line graph. Choose a rolling 1, 3 or 5 year Time Horizon for the MPT Statistics. Select one or more MPT statistics.

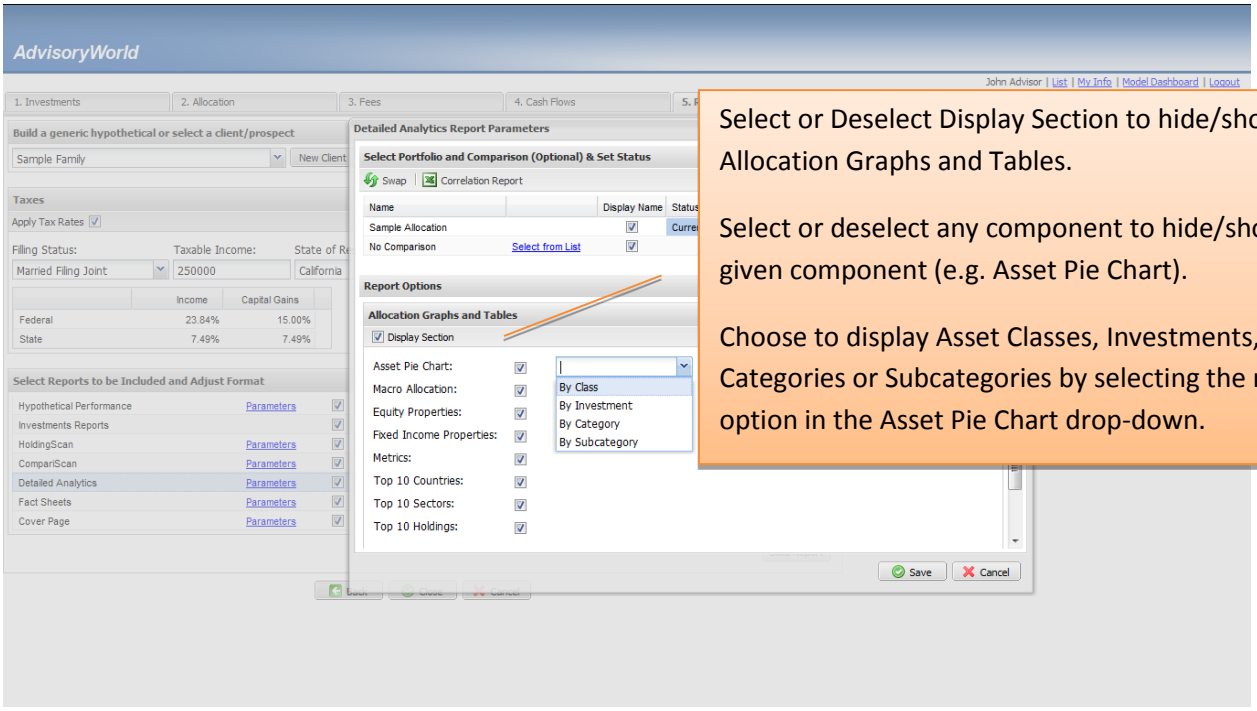
Note: Alpha is plotted on the left Y-axis whereas Beta, R2 and Sharpe Ratio are plotted on the right Y-axis.



Select or Deselect Risk Analysis Report to hide/show the Risk Analysis Report's Tables and Graphics. Optionally choose to display the Modern Portfolio Analysis Table.

An Inflation Rate % and a Min. Purchase Power Loss % may be specified; these entries affect calculations in the Modern Portfolio Analysis Table. In addition, the Confidence Level (90%, 95% or 99%) and the Period affect the Minimum and Maximum Boundary of Returns. i.e. The higher the Confidence Interval the wider the range of returns from Minimum to Maximum.

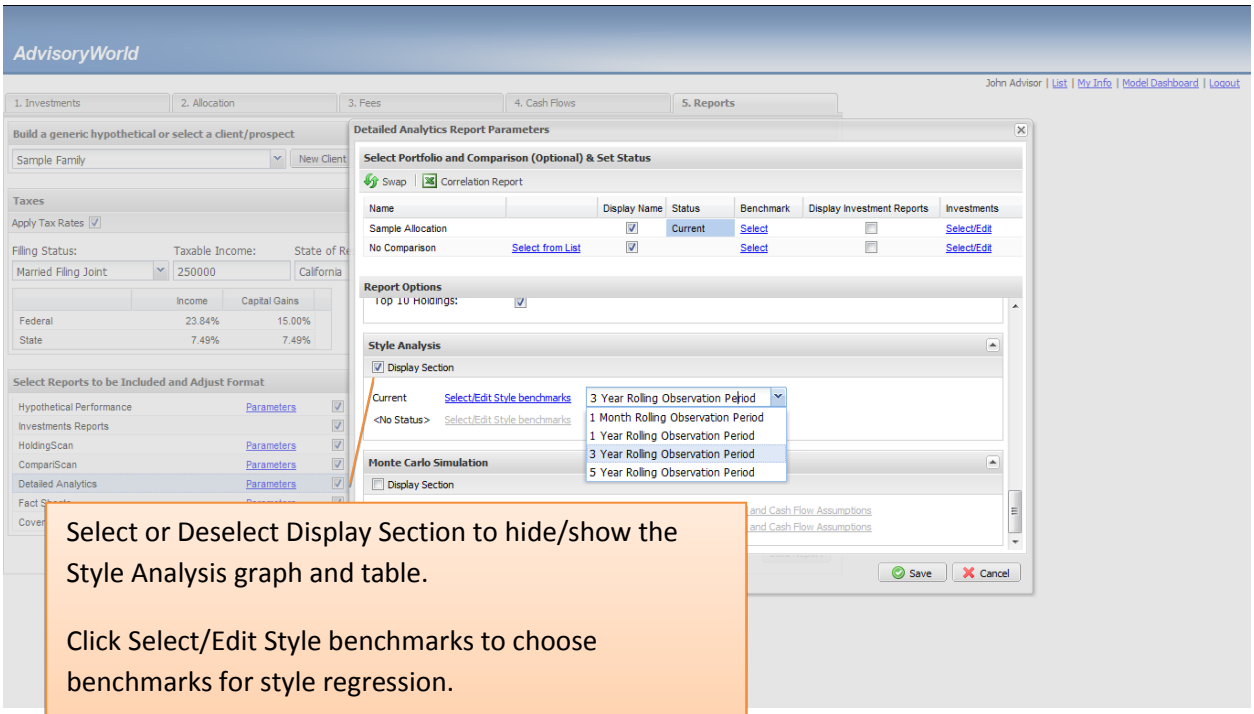
Choose to display Normal Distribution of Returns Graphic (bell curve) along with its Confidence Interval. Hypothetical Performance Graph Risk vs. Return Matrix and a Statistics Table are also optional.



Select or Deselect Display Section to hide/show the Allocation Graphs and Tables.

Select or deselect any component to hide/show the given component (e.g. Asset Pie Chart).

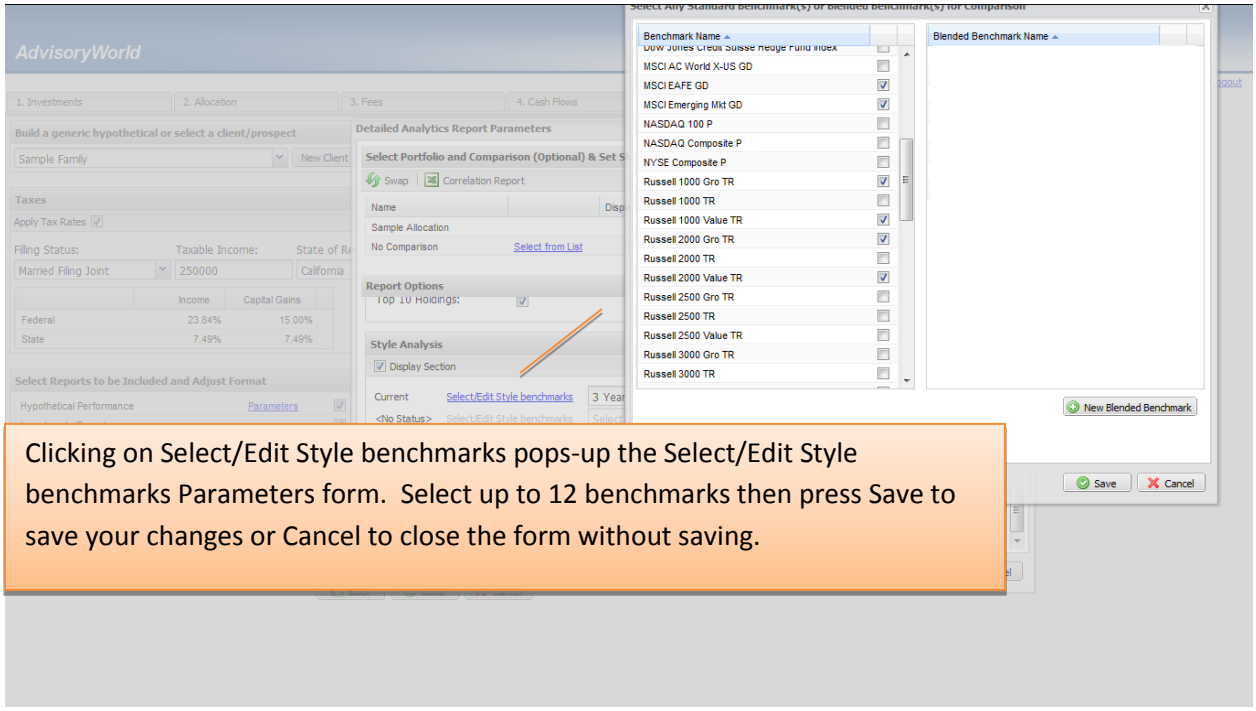
Choose to display Asset Classes, Investments, Categories or Subcategories by selecting the respective option in the Asset Pie Chart drop-down.



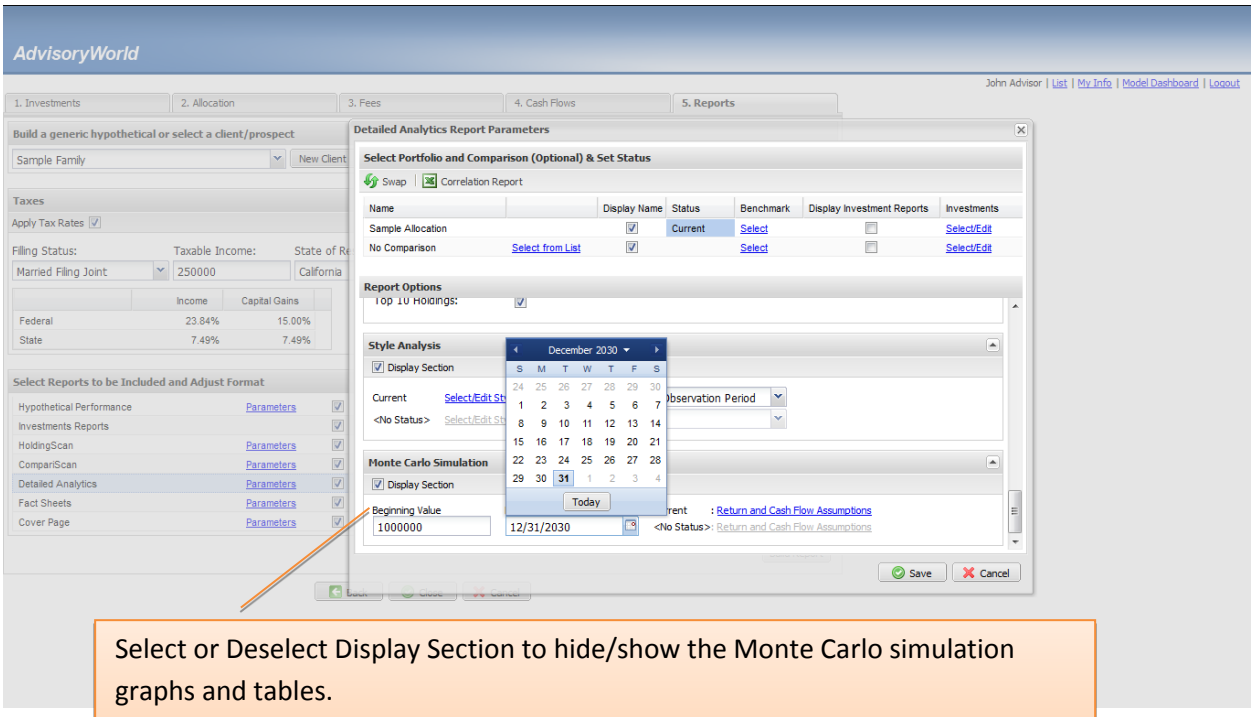
Select or Deselect Display Section to hide/show the Style Analysis graph and table.

Click Select/Edit Style benchmarks to choose benchmarks for style regression.

Choose a Rolling Observation period for Style Analysis (3 Year Rolling Observation Period default and suggested).



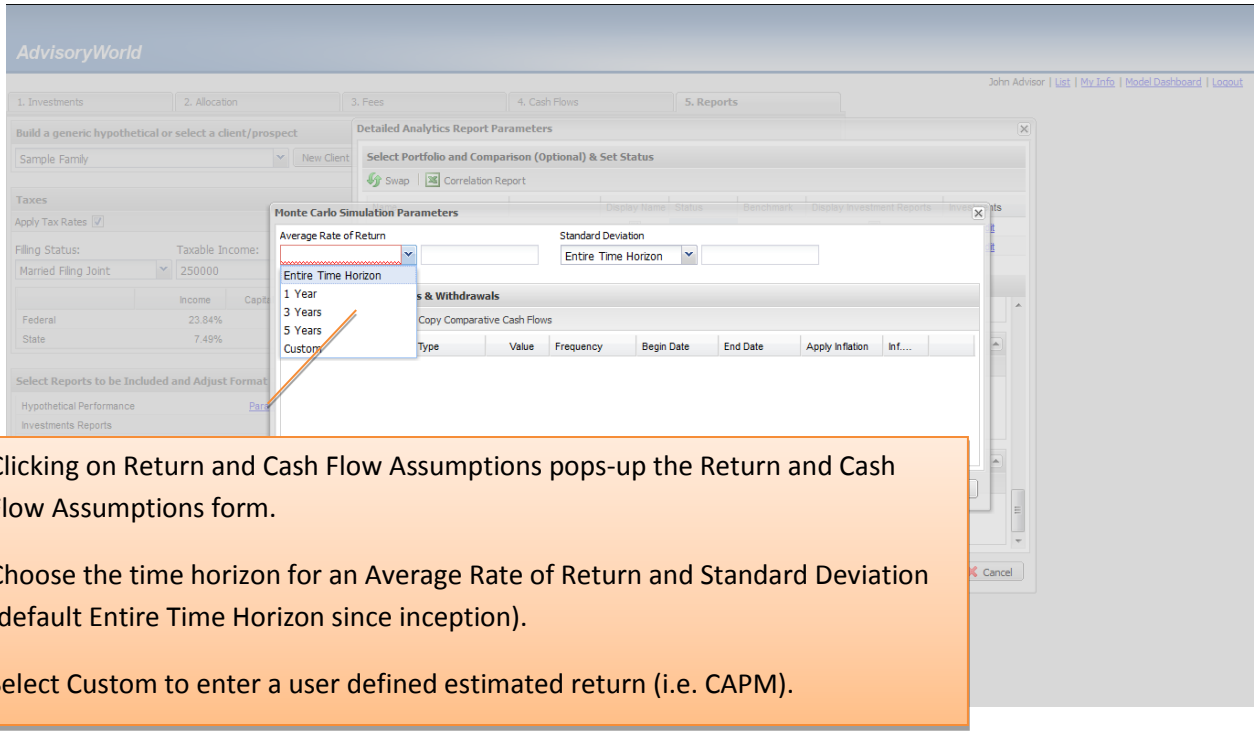
Clicking on Select/Edit Style benchmarks pops-up the Select/Edit Style benchmarks Parameters form. Select up to 12 benchmarks then press Save to save your changes or Cancel to close the form without saving.



Select or Deselect Display Section to hide/show the Monte Carlo simulation graphs and tables.

Enter a Beginning Value and the End Date for the analysis.

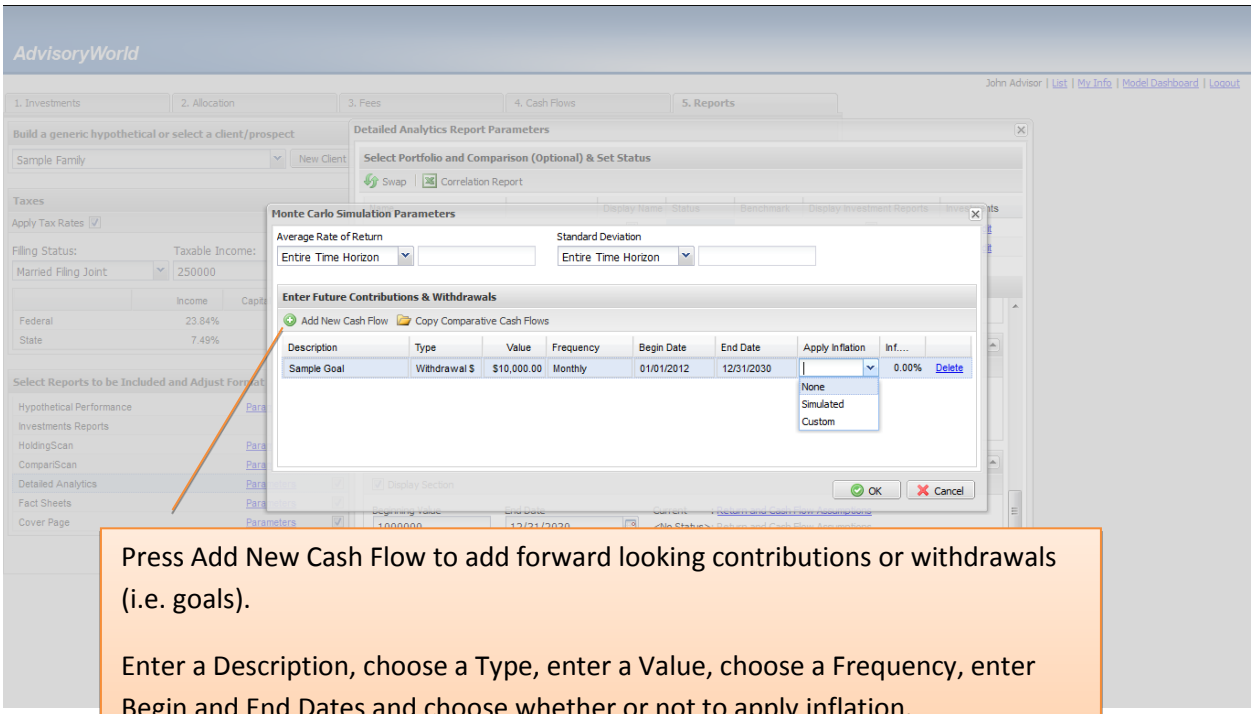
Click Return and Cash Flow Assumptions to view and edit Performance information and Goals.



Clicking on Return and Cash Flow Assumptions pops-up the Return and Cash Flow Assumptions form.

Choose the time horizon for an Average Rate of Return and Standard Deviation (default Entire Time Horizon since inception).

Select Custom to enter a user defined estimated return (i.e. CAPM).



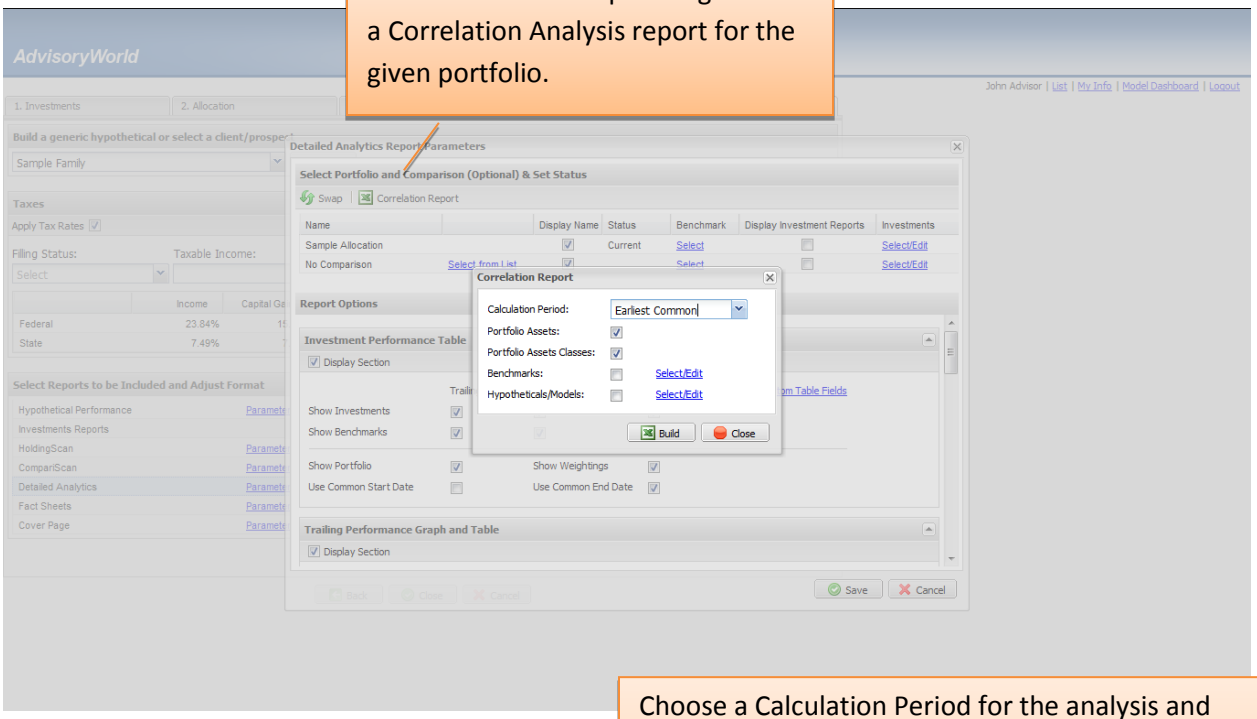
Press Add New Cash Flow to add forward looking contributions or withdrawals (i.e. goals).

Enter a Description, choose a Type, enter a Value, choose a Frequency, enter Begin and End Dates and choose whether or not to apply inflation.

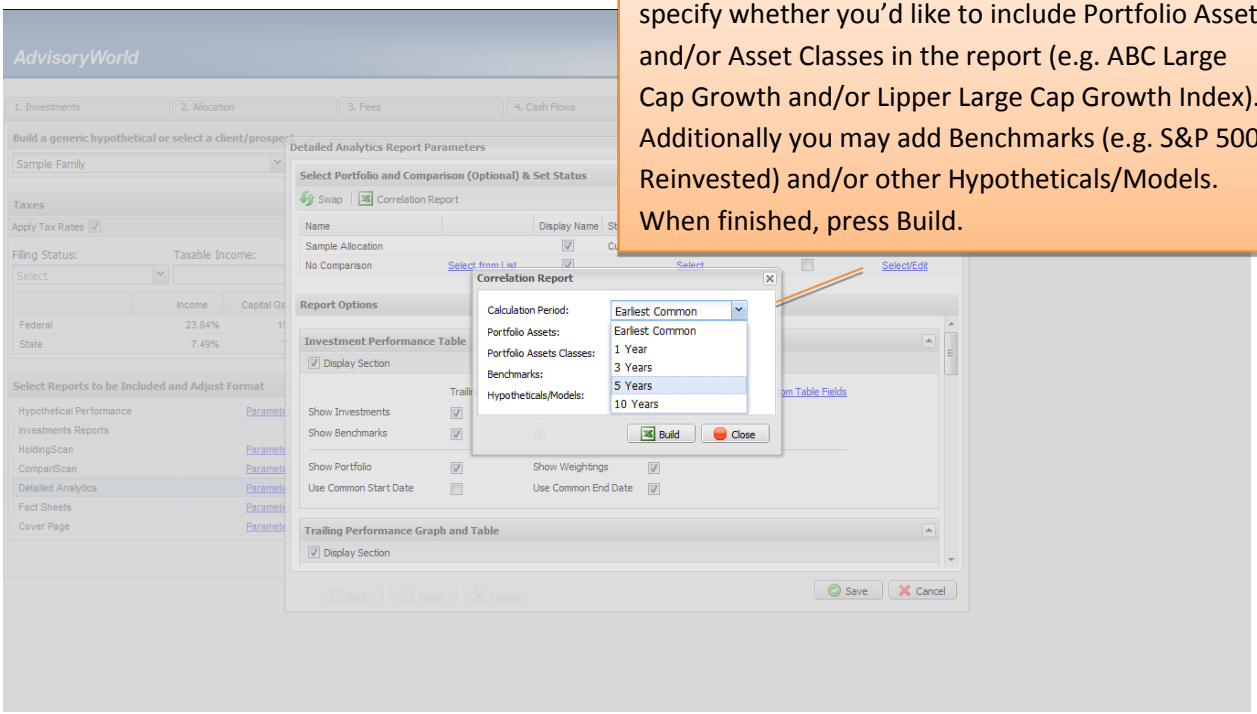
Note that by choosing Simulated inflation, historical performance of the CPI is used to determine probable forward-looking inflation.

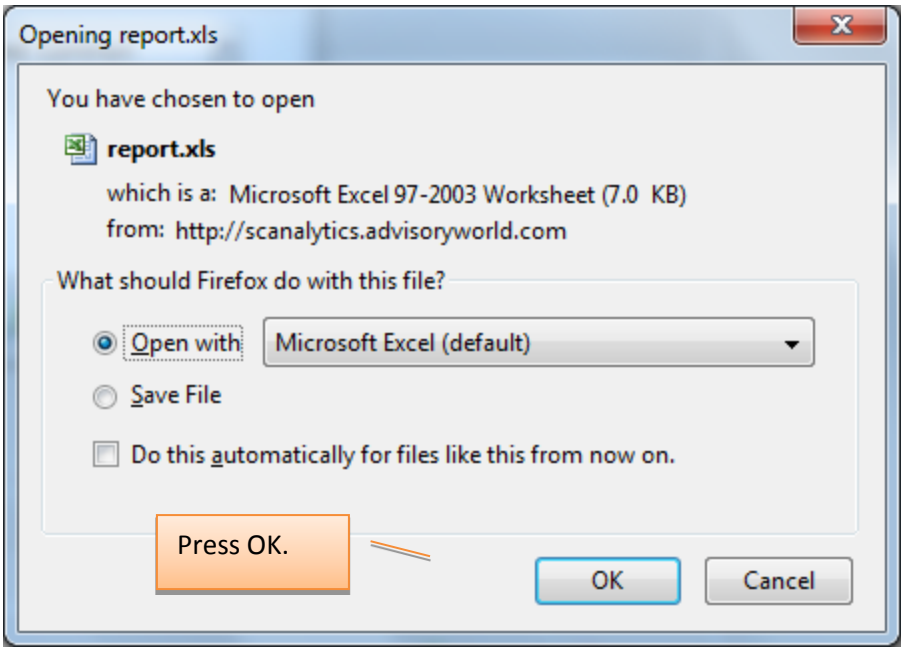
See Cash Flows for more detail on entry of cash flows.

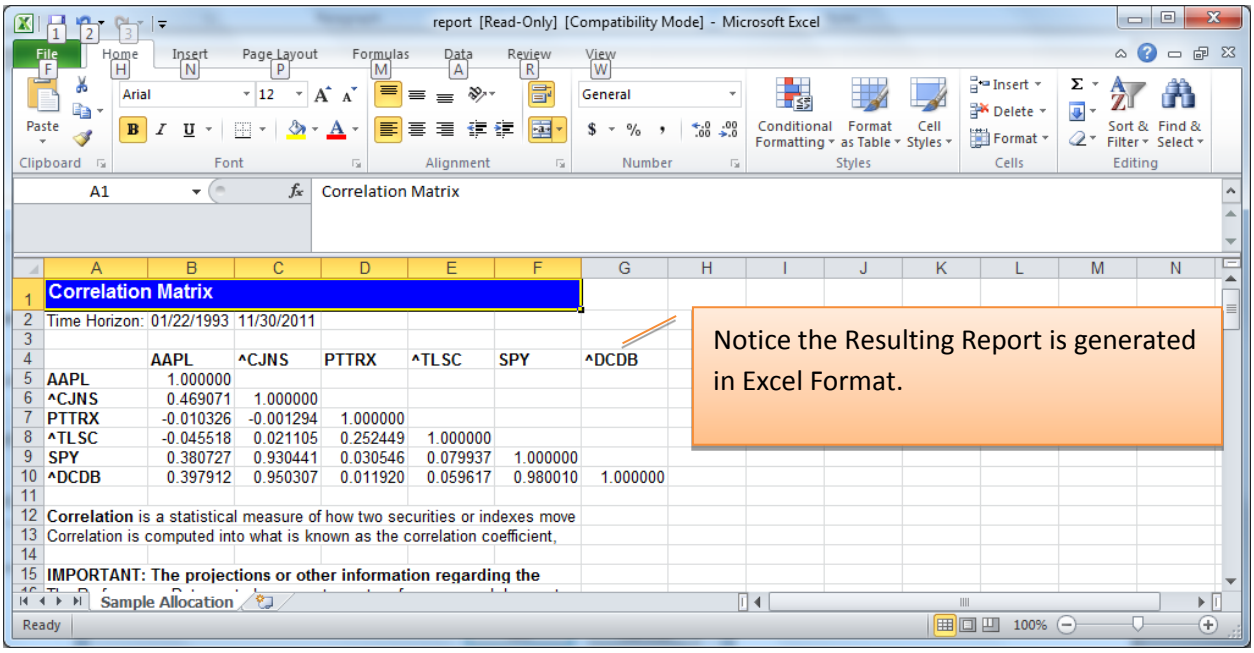
Press Correlation Report to generate a Correlation Analysis report for the given portfolio.

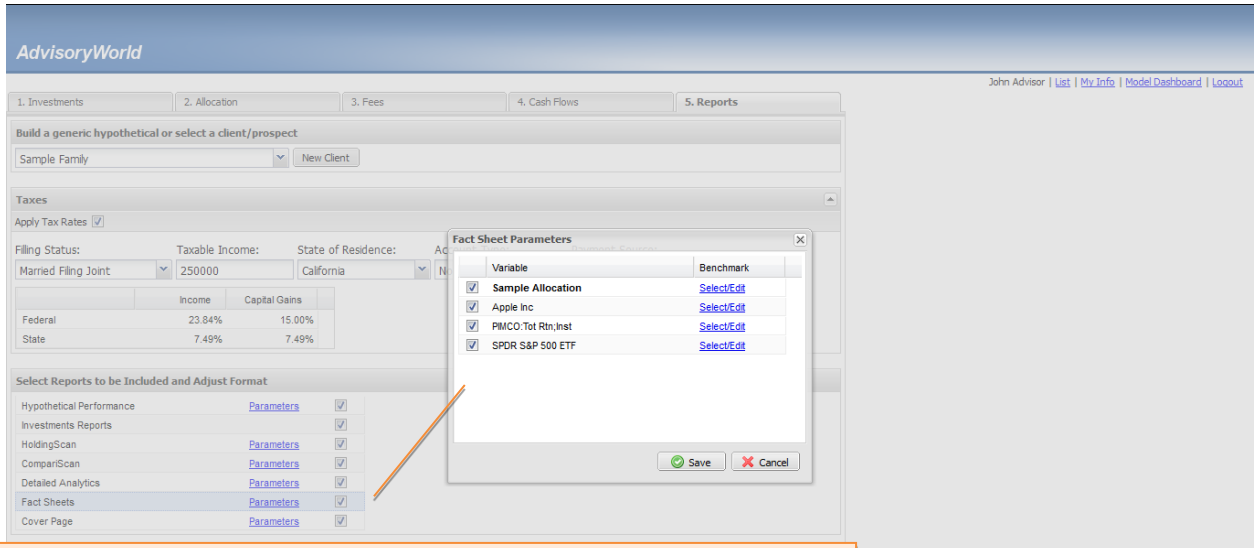


Choose a Calculation Period for the analysis and specify whether you'd like to include Portfolio Assets and/or Asset Classes in the report (e.g. ABC Large Cap Growth and/or Lipper Large Cap Growth Index). Additionally you may add Benchmarks (e.g. S&P 500 Reinvested) and/or other Hypotheticals/Models. When finished, press Build.



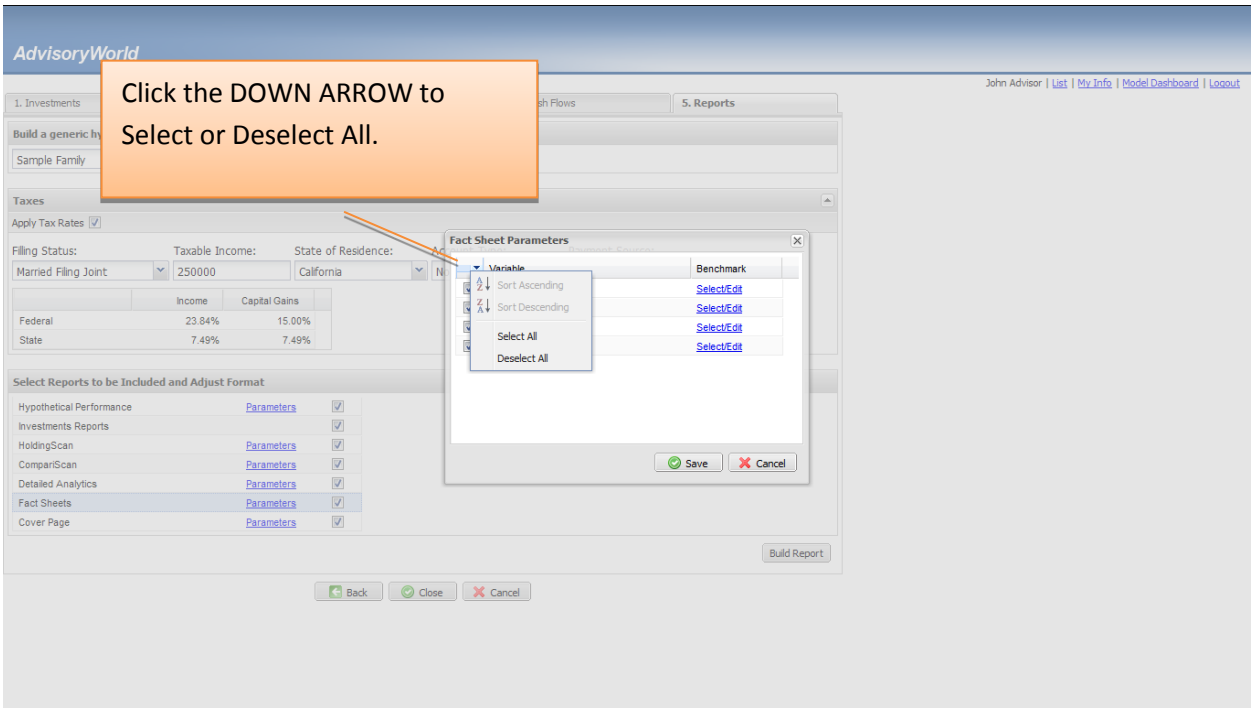

Opening report.xls
You have chosen to open
report.xls
which is a: Microsoft Excel 97-2003 Worksheet (7.0 KB)
from: http://scanalytics.advisoryworld.com
What should Firefox do with this file?
Open with
Microsoft Excel (default)
Save File
Do this automatically for files like this from now on.
Press OK.
OK
Cancel

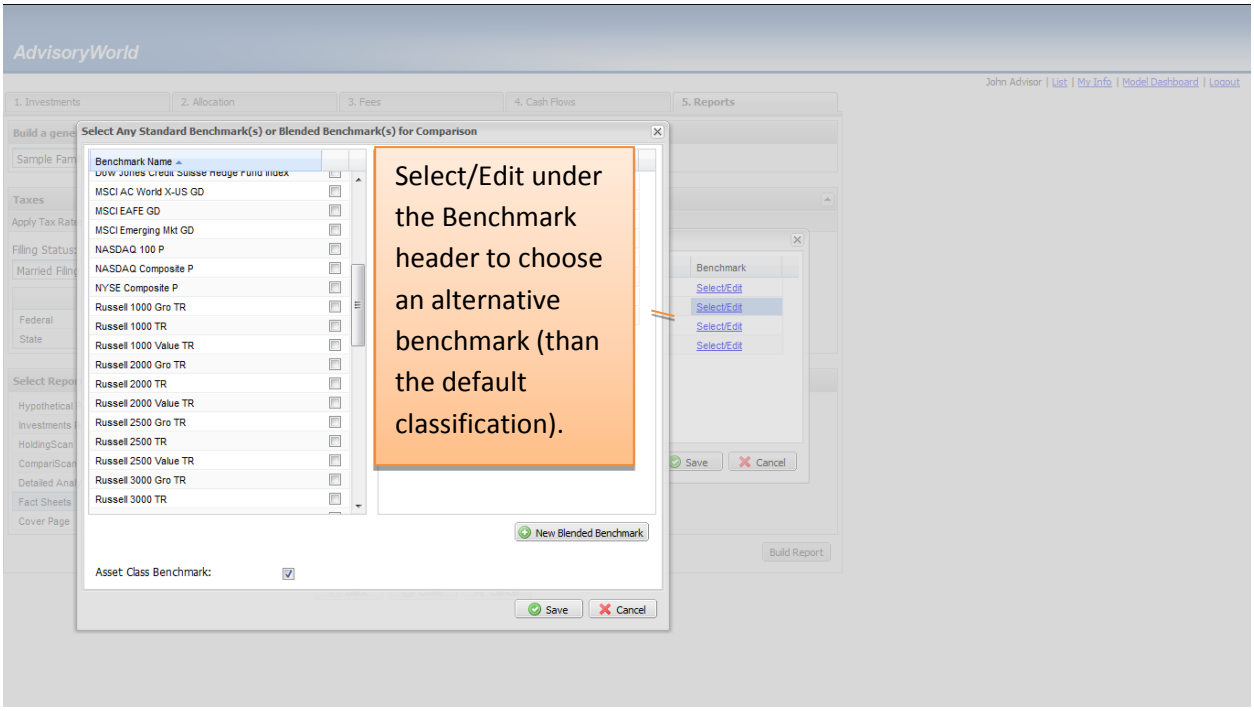

report [Read-Only] [Compatibility Mode] - Microsoft Excel
Correlation Matrix
Time Horizon: 01/22/1993 11/30/2011
AAPL ^CJNS PTTRX ^TLSC SPY ^DCDB
AAPL 1.000000
^CJNS 0.469071 1.000000
PTTRX -0.010326 -0.001294 1.000000
^TLSC -0.045518 0.021105 0.252449 1.000000
SPY 0.380727 0.930441 0.030546 0.079937 1.000000
^DCDB 0.397912 0.950307 0.011920 0.059617 0.980010 1.000000
Correlation is a statistical measure of how two securities or indexes move
Correlation is computed into what is known as the correlation coefficient,
IMPORTANT: The projections or other information regarding the
Sample Allocation
Ready
Notice the Resulting Report is generated in Excel Format.

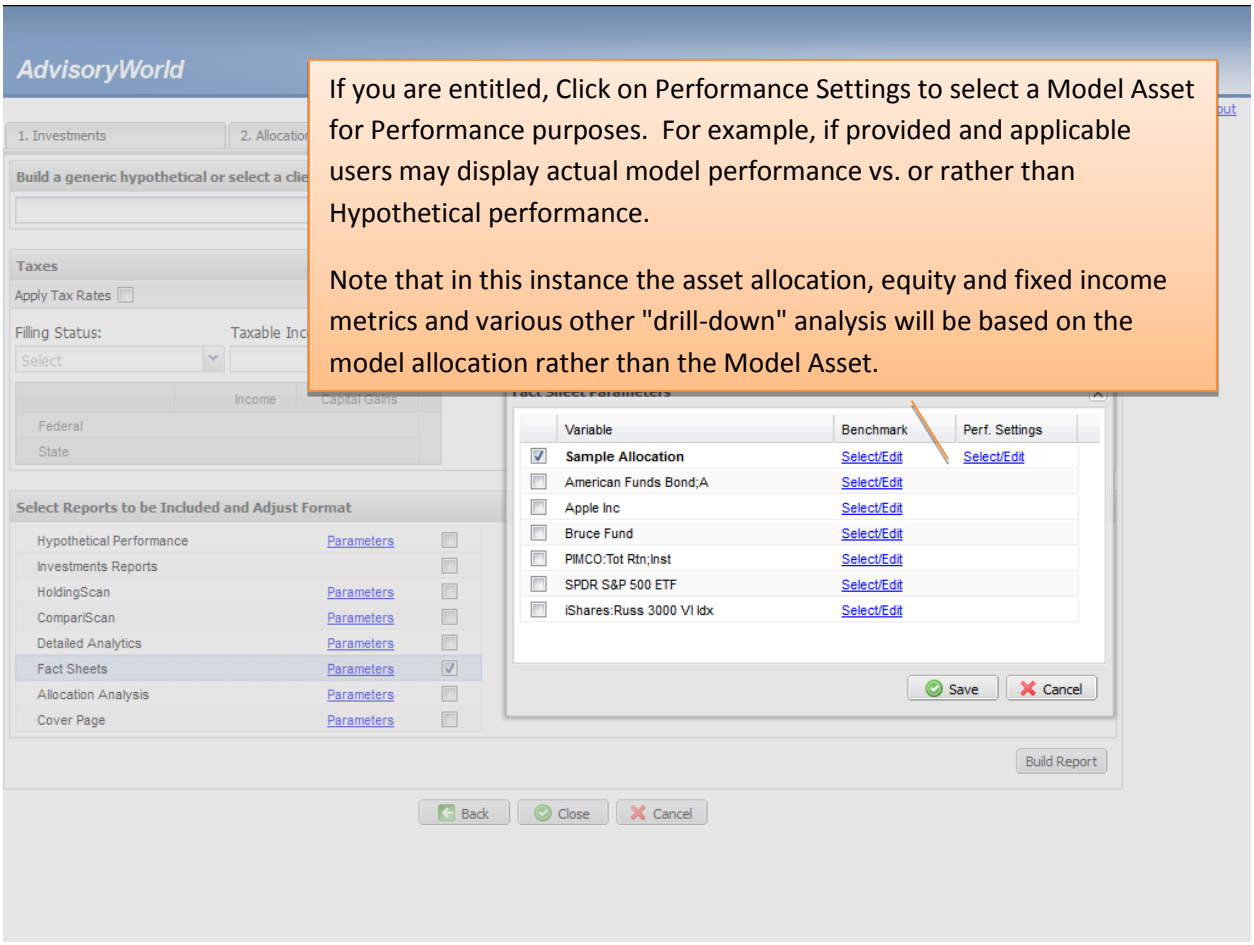


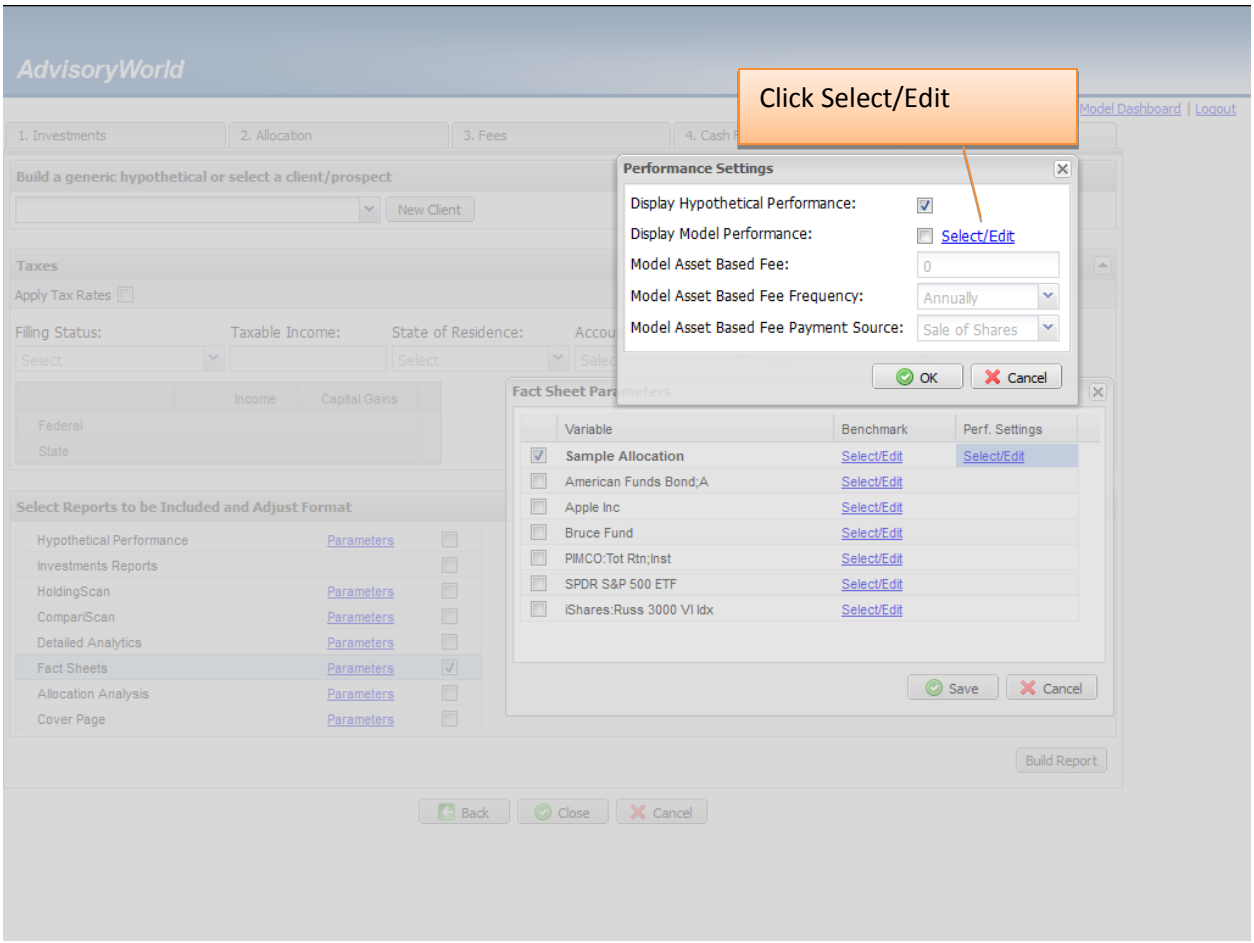
Clicking on Parameters next to the Fact Sheets report opens the Fact Sheets parameters form.

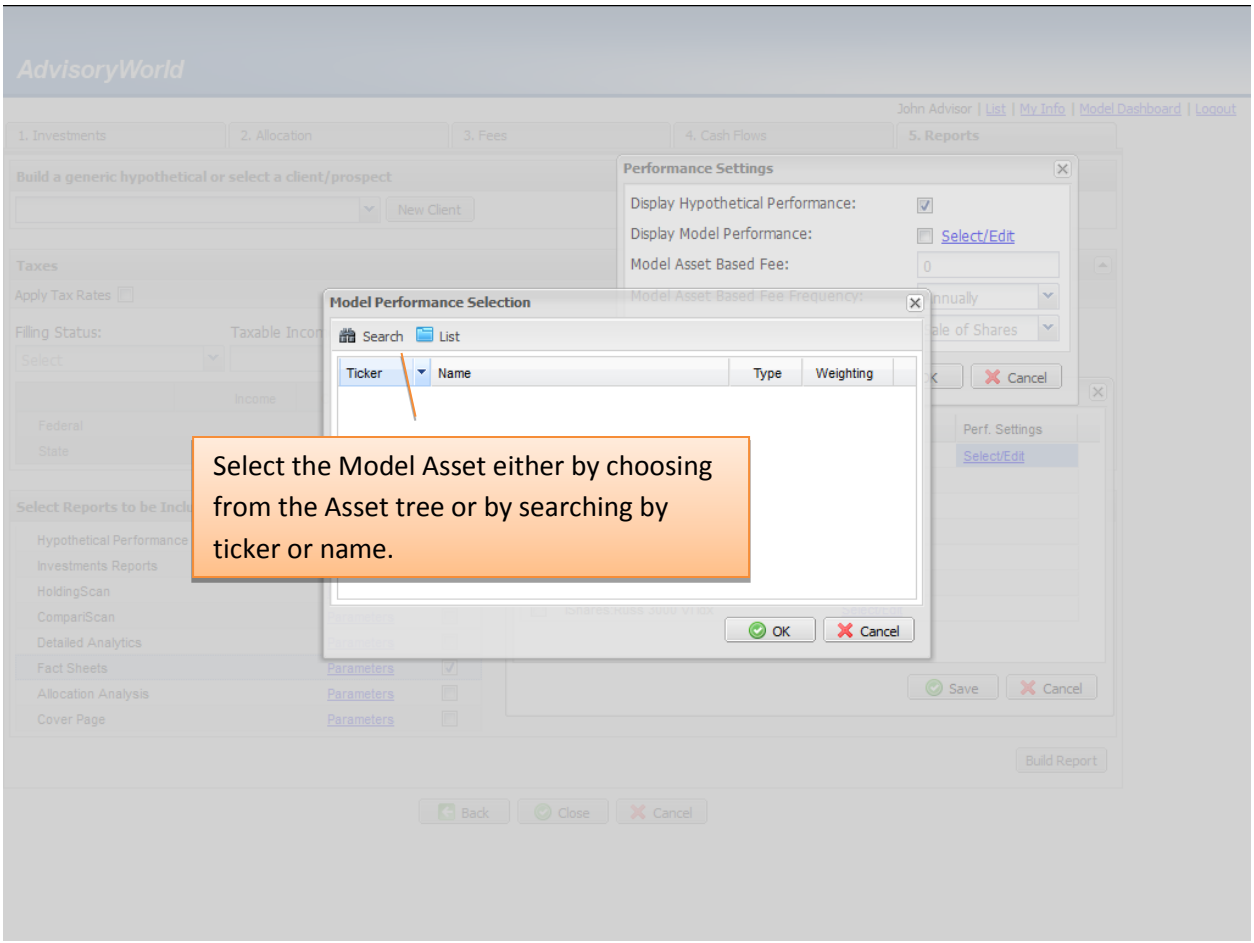
Choose the portfolio (if applicable) and any or all assets for analysis.

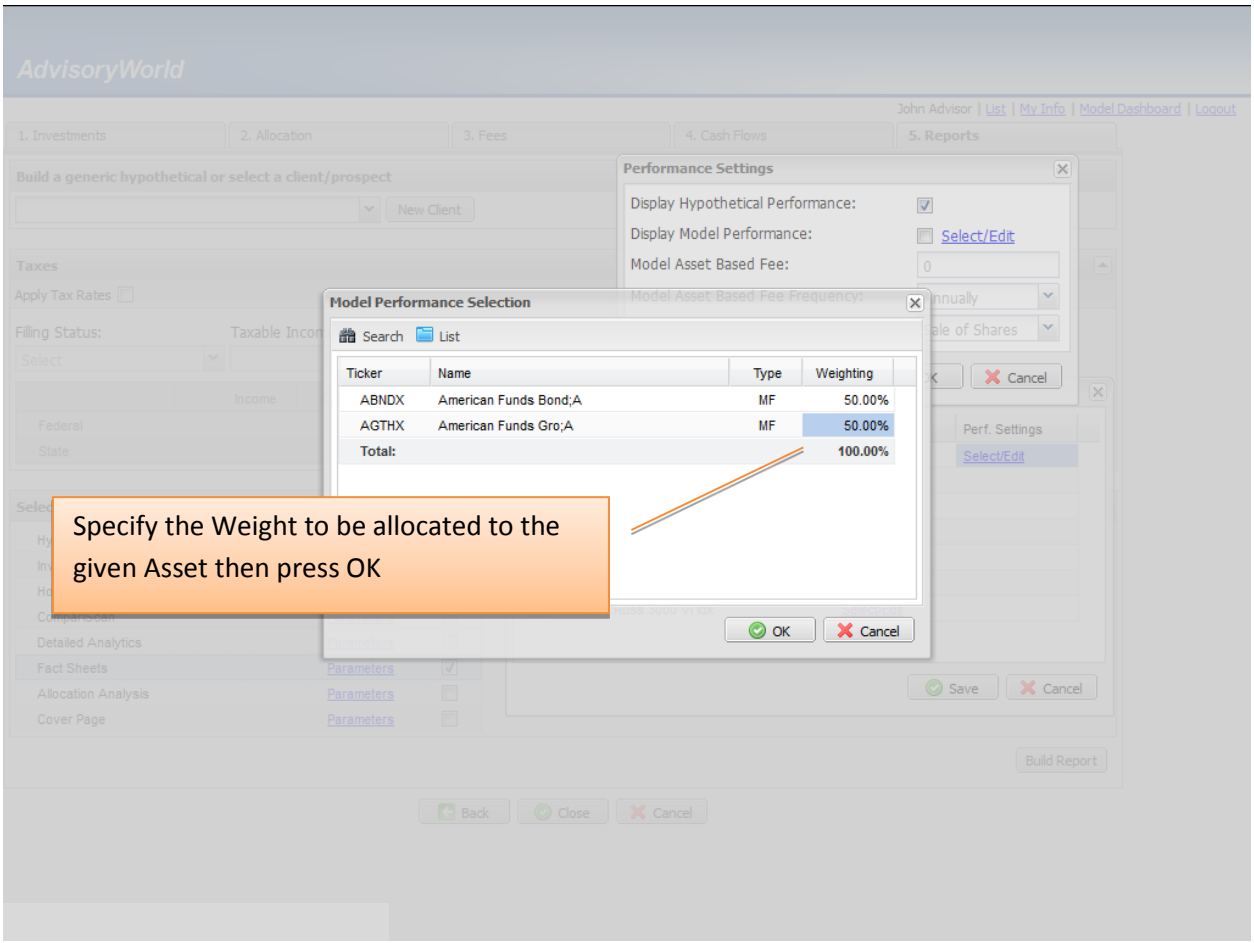


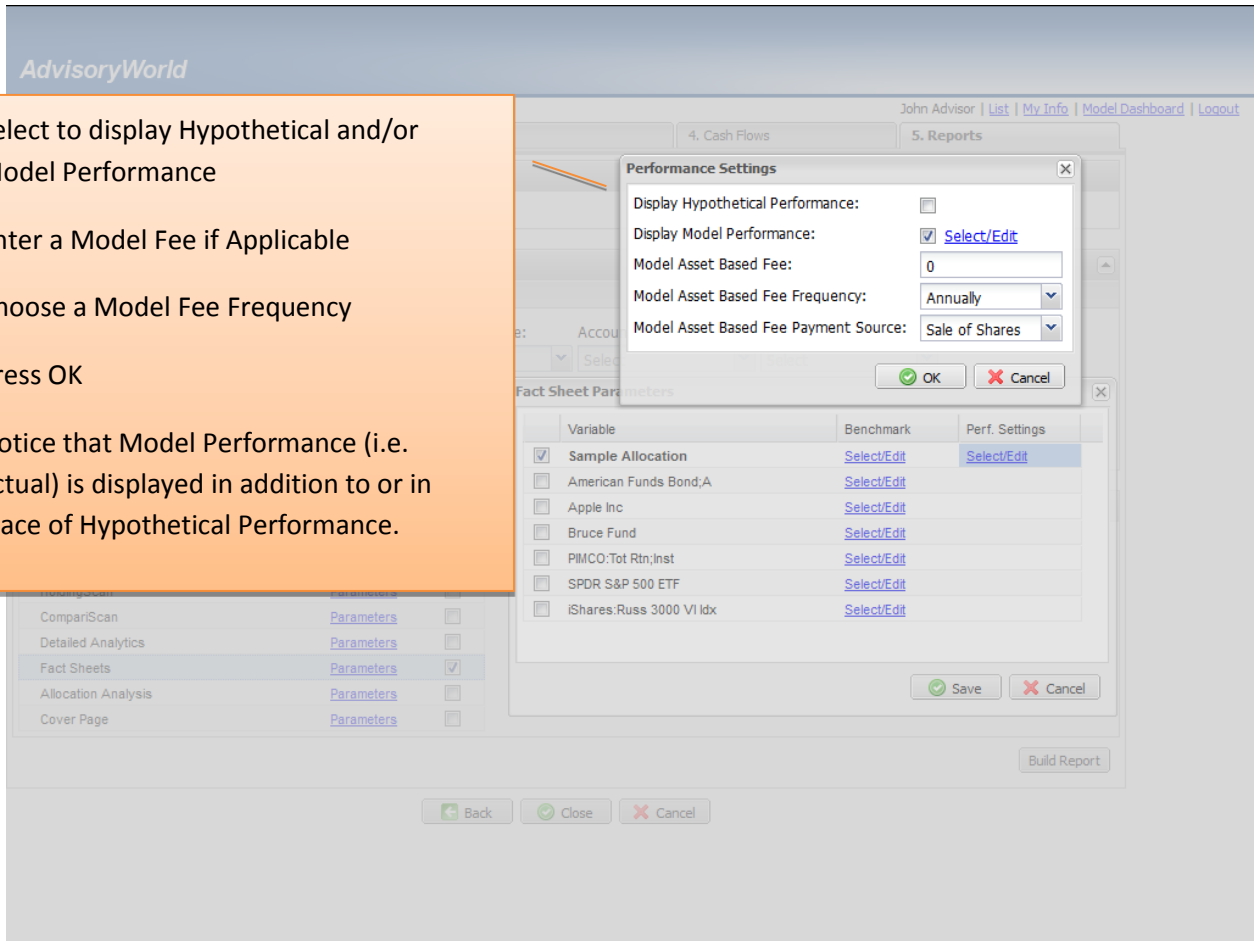

AdvisoryWorld
Select Any Standard Benchmark(s) or Blended Benchmark(s) for Comparison
Benchmark Name
MSCI AC World X-US GD
MSCI EAFE GD
MSCI Emerging Mkt GD
NASDAQ 100 P
NASDAQ Composite P
NYSE Composite P
Russell 1000 Gro TR
Russell 1000 TR
Russell 1000 Value TR
Russell 2000 Gro TR
Russell 2000 TR
Russell 2000 Value TR
Russell 2500 Gro TR
Russell 2500 TR
Russell 2500 Value TR
Russell 3000 Gro TR
Russell 3000 TR
Select/Edit under the Benchmark header to choose an alternative benchmark (than the default classification).
New Blended Benchmark
Asset Class Benchmark:
Save
Cancel
Benchmark
Select/Edit
Build Report


AdvisoryWorld
If you are entitled, Click on Performance Settings to select a Model Asset for Performance purposes. For example, if provided and applicable users may display actual model performance vs. or rather than Hypothetical performance.
Note that in this instance the asset allocation, equity and fixed income metrics and various other "drill-down" analysis will be based on the model allocation rather than the Model Asset.
1. Investments
2. Allocation
Build a generic hypothetical or select a clie
Taxes
Apply Tax Rates
Filling Status:
Taxable Inc
Select
Income
Capital Gains
Federal
State
Select Reports to be Included and Adjust Format
Hypothetical Performance
Investments Reports
HoldingScan
CompariScan
Detailed Analytics
Fact Sheets
Allocation Analysis
Cover Page
Parameters
Variable
Benchmark
Perf. Settings
Sample Allocation
American Funds Bond;A
Apple Inc
Bruce Fund
PIMCO:Tot Rtn;Inst
SPDR S&P 500 ETF
iShares:Russ 3000 VI Idx
Select/Edit
Save
Cancel
Build Report
Back
Close
Cancel


AdvisoryWorld
Model Dashboard | Logout
1. Investments
2. Allocation
3. Fees
Build a generic hypothetical or select a client/prospect
New Client
Taxes
Apply Tax Rates
Filing Status:
Taxable Income:
State of Residence:
Income
Capital Gains
Federal
State
Select Reports to be Included and Adjust Format
Hypothetical Performance
Investments Reports
HoldingScan
CompariScan
Detailed Analytics
Fact Sheets
Allocation Analysis
Cover Page
Parameters
Click Select/Edit
Performance Settings
Display Hypothetical Performance:
Display Model Performance:
Select/Edit
Model Asset Based Fee:
0
Model Asset Based Fee Frequency:
Annually
Model Asset Based Fee Payment Source:
Sale of Shares
OK
Cancel
Fact Sheet Parameters
Variable
Benchmark
Perf. Settings
Sample Allocation
American Funds Bond;A
Apple Inc
Bruce Fund
PIMCO:Tot Rtn;Inst
SPDR S&P 500 ETF
iShares:Russ 3000 VI Idx
Save
Cancel
Build Report
Back
Close
Cancel


AdvisoryWorld
Performance Settings
Display Hypothetical Performance:
Display Model Performance:
Select/Edit
Model Asset Based Fee:
Model Performance Selection
Search
List
Ticker
Name
Type
Weighting
OK
Cancel
Select the Model Asset either by choosing from the Asset tree or by searching by ticker or name.


AdvisoryWorld
Performance Settings
Display Hypothetical Performance:
Display Model Performance:
Select/Edit
Model Asset Based Fee:
Model Performance Selection
Search
List
Ticker
Name
Type
Weighting
ABNDX
American Funds Bond;A
MF
50.00%
AGTHX
American Funds Gro;A
MF
50.00%
Total:
100.00%
OK
Cancel
Specify the Weight to be allocated to the given Asset then press OK



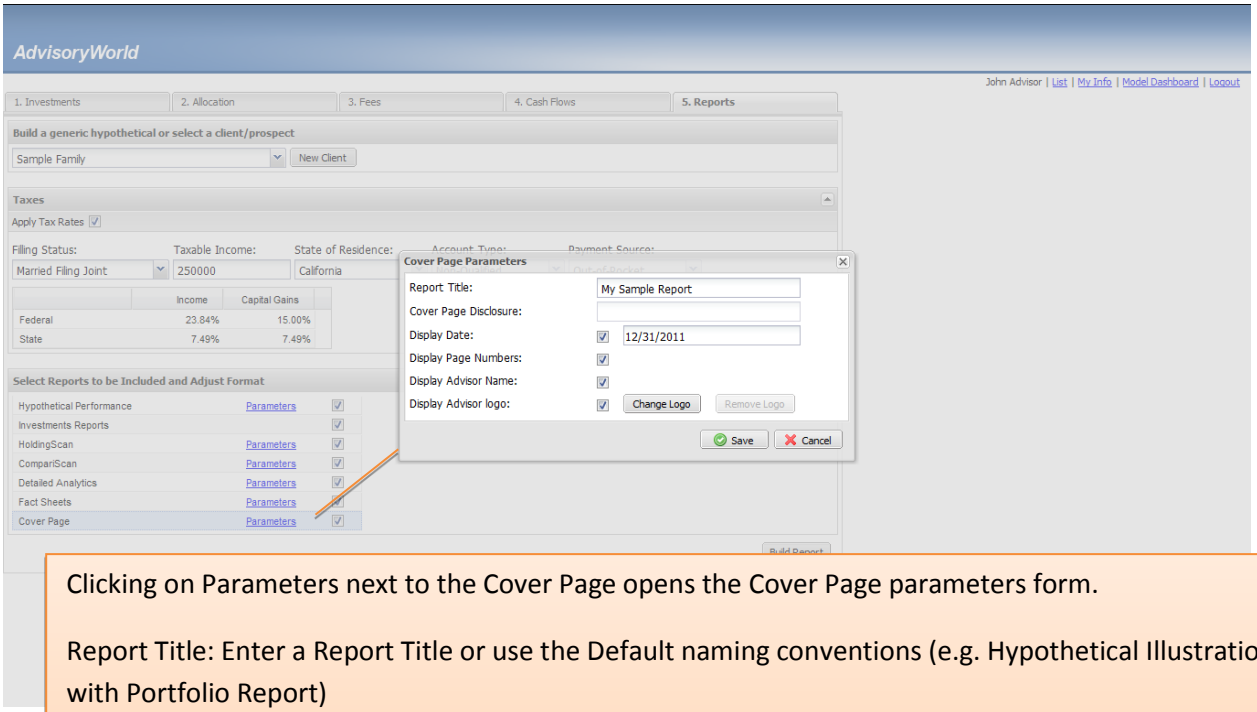
Select to display Hypothetical and/or Model Performance

Enter a Model Fee if Applicable

Choose a Model Fee Frequency

Press OK

Notice that Model Performance (i.e. actual) is displayed in addition to or in place of Hypothetical Performance.



Clicking on Parameters next to the Cover Page opens the Cover Page parameters form.

Report Title: Enter a Report Title or use the Default naming conventions (e.g. Hypothetical Illustration with Portfolio Report)

Display Date: Include a date on the Cover Page

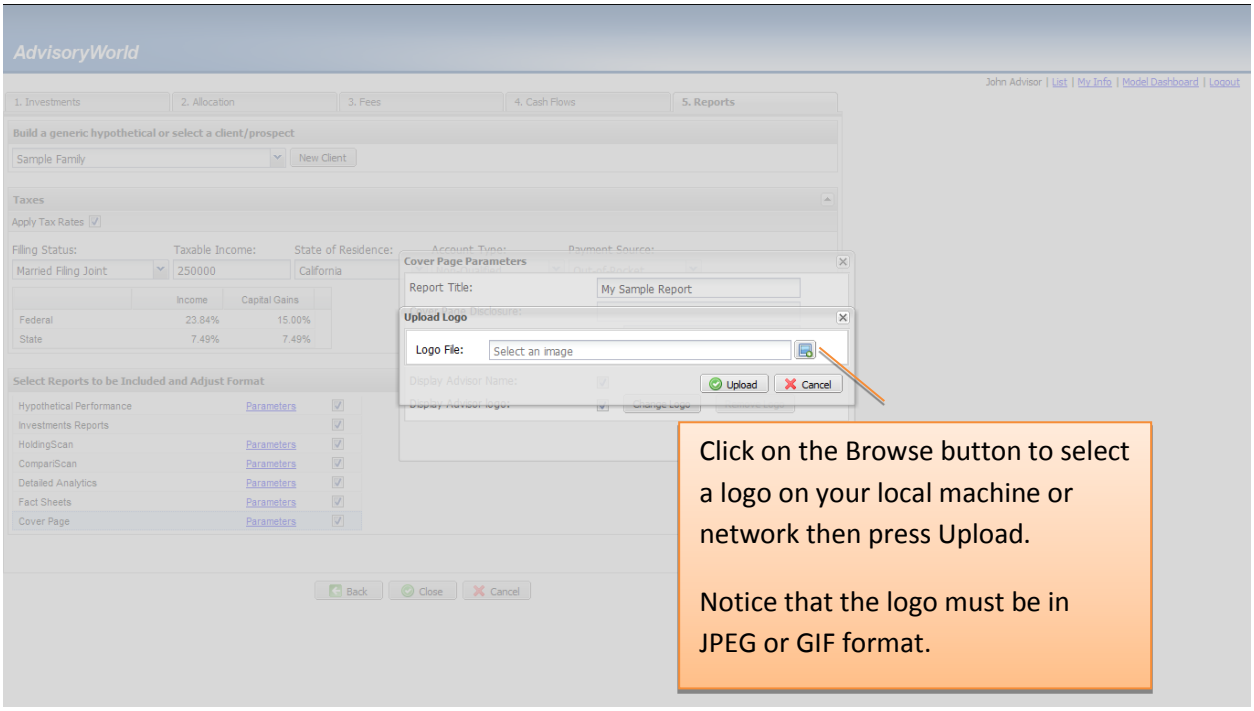
Display Page Numbers Report: Include Page Numbers throughout the Report

Investment Reports do not include sequential page numbers

Display Advisor Name Report: Include the advisors name on the Cover Page

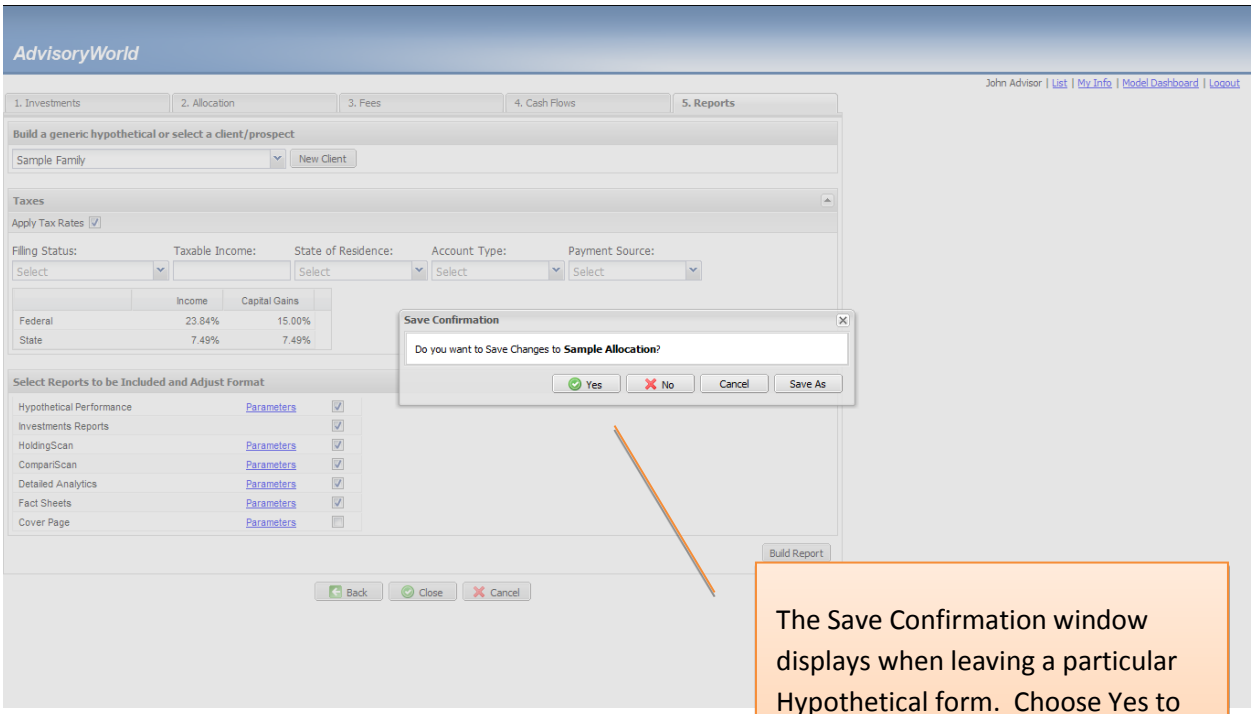
Display Advisor Logo Report: Include the advisors logo on the Cover Page

Press Change Logo to upload a JPEG or GIF logo

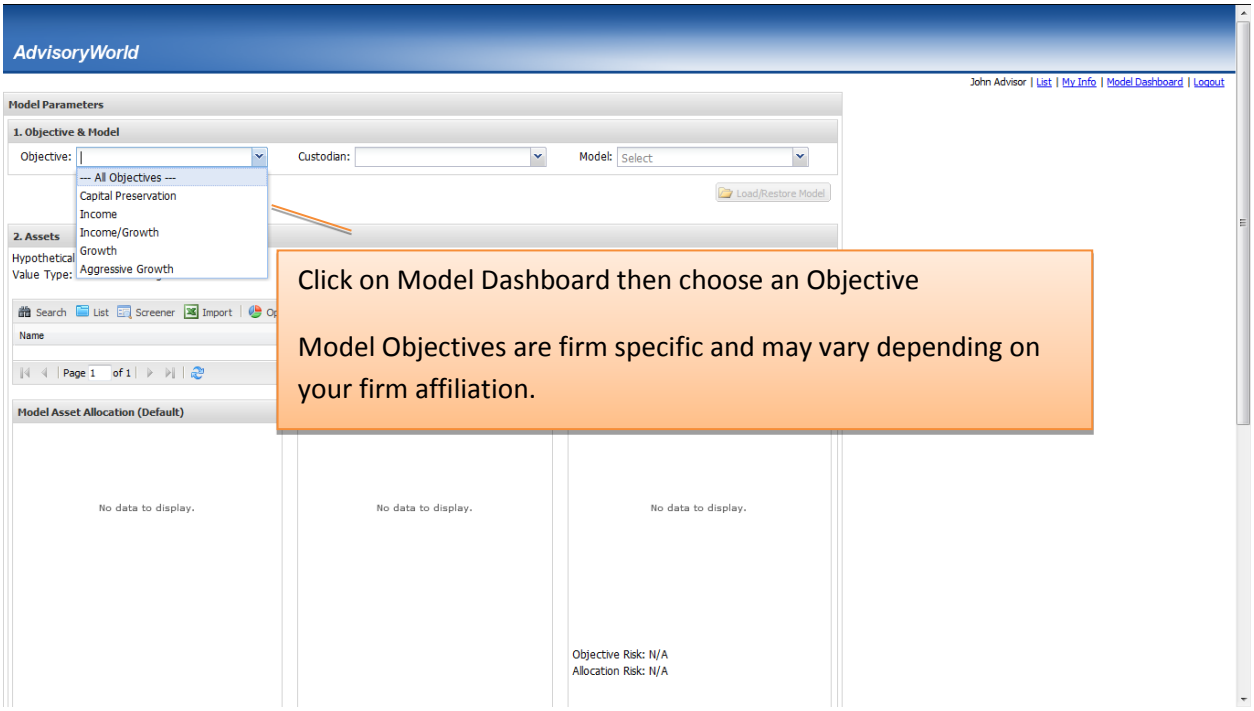


Click on the Browse button to select a logo on your local machine or network then press Upload.

Notice that the logo must be in JPEG or GIF format.

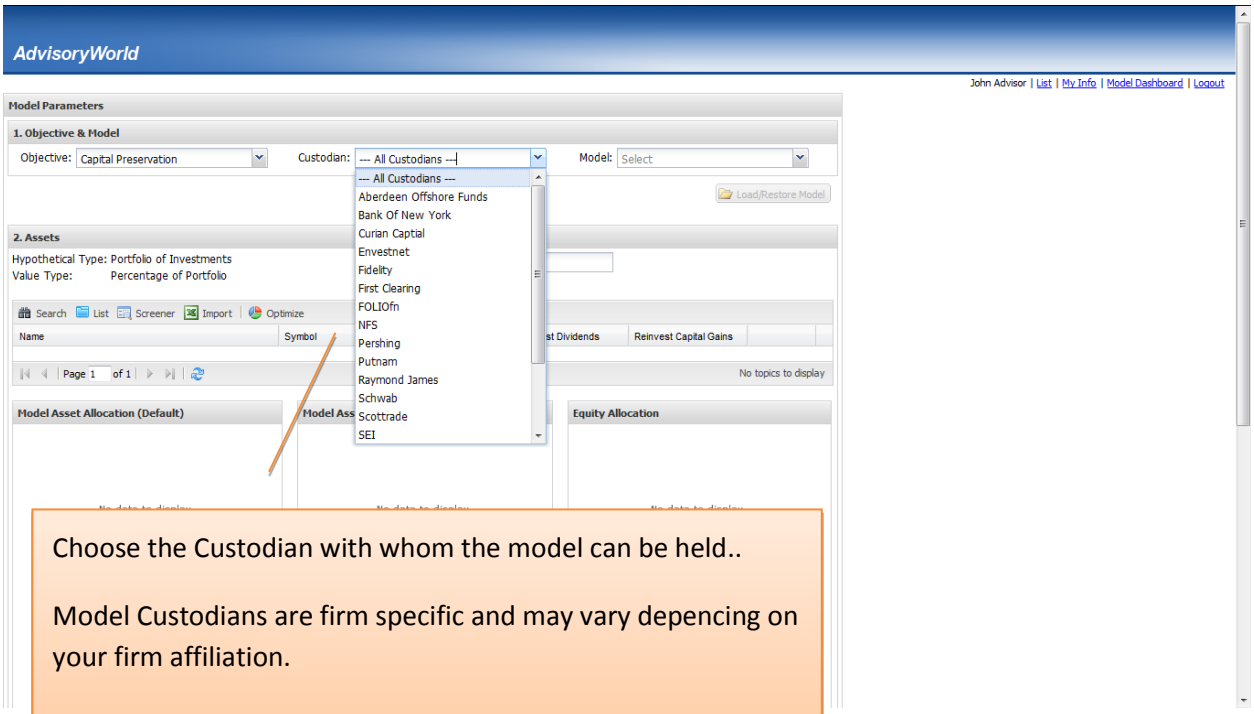


The Save Confirmation window displays when leaving a particular Hypothetical form. Choose Yes to Save changes, No to leave the page without saving changes, Cancel to remain on the page and Save As to save the hypothetical as new.



Click on Model Dashboard then choose an Objective

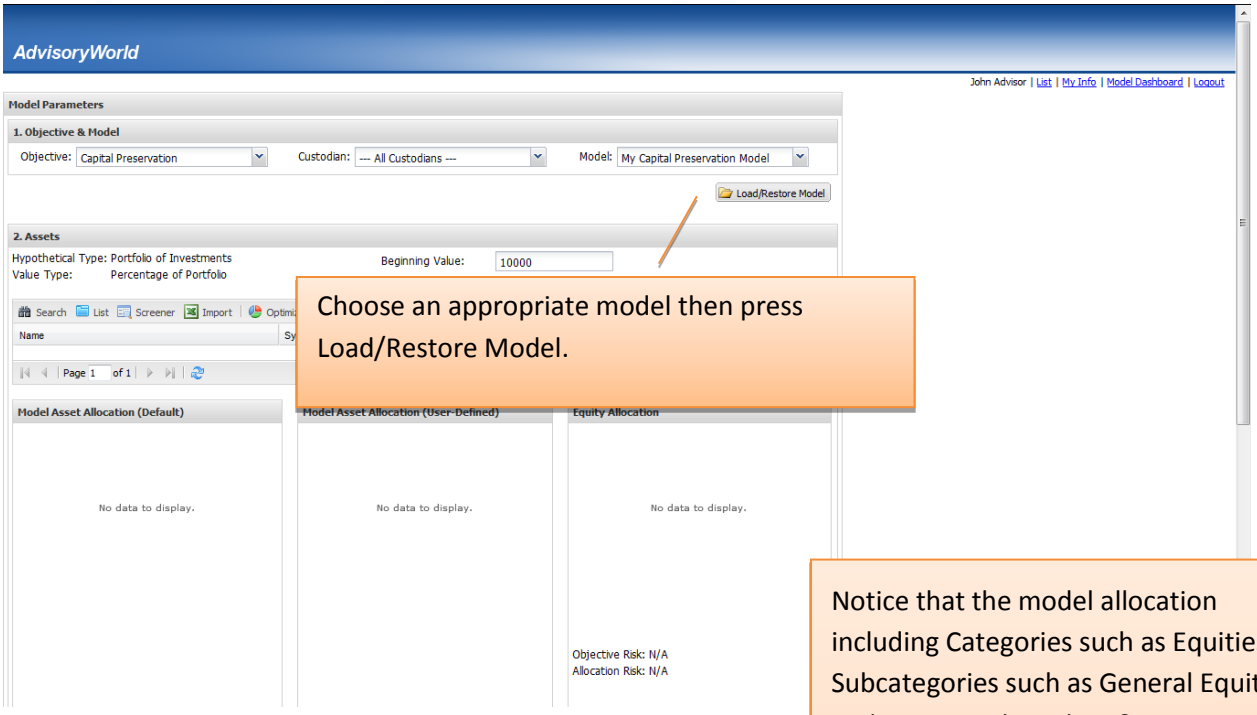
Model Objectives are firm specific and may vary depending on your firm affiliation.



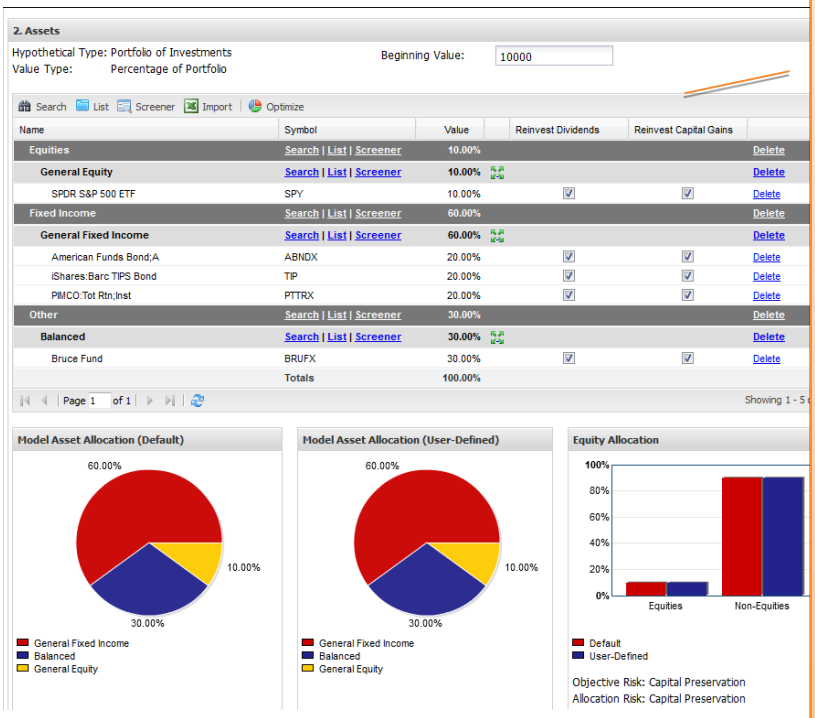
Choose the Custodian with whom the model can be held..

Model Custodians are firm specific and may vary depencing on your firm affiliation.

Note that the investments which may be held in models may be limited based on the specified custodian.



Choose an appropriate model then press Load/Restore Model.



Notice that the model allocation including Categories such as Equities, Subcategories such as General Equity and assets such as the S&P 500 SPDR ETF are displayed.

Press Search to search for additional assets by name or ticker.

Press List to search for additional assets by tree.

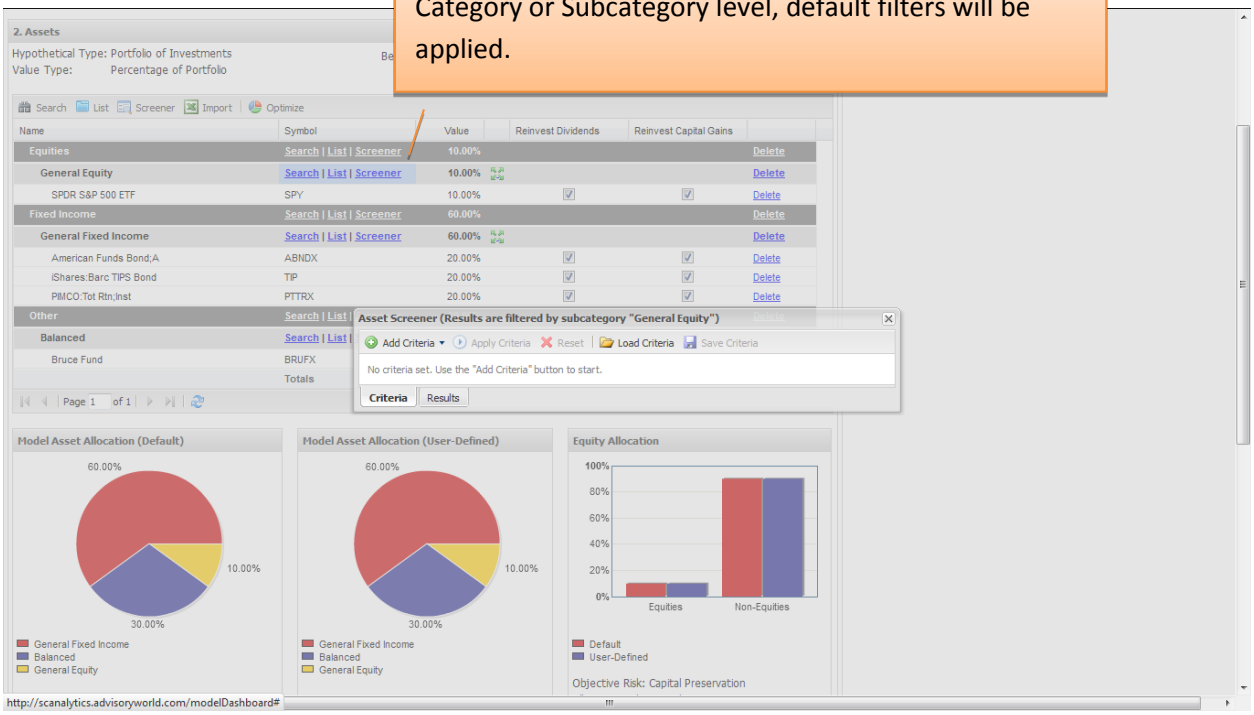
Press Screener to search for additional assets by filtering based on criteria.

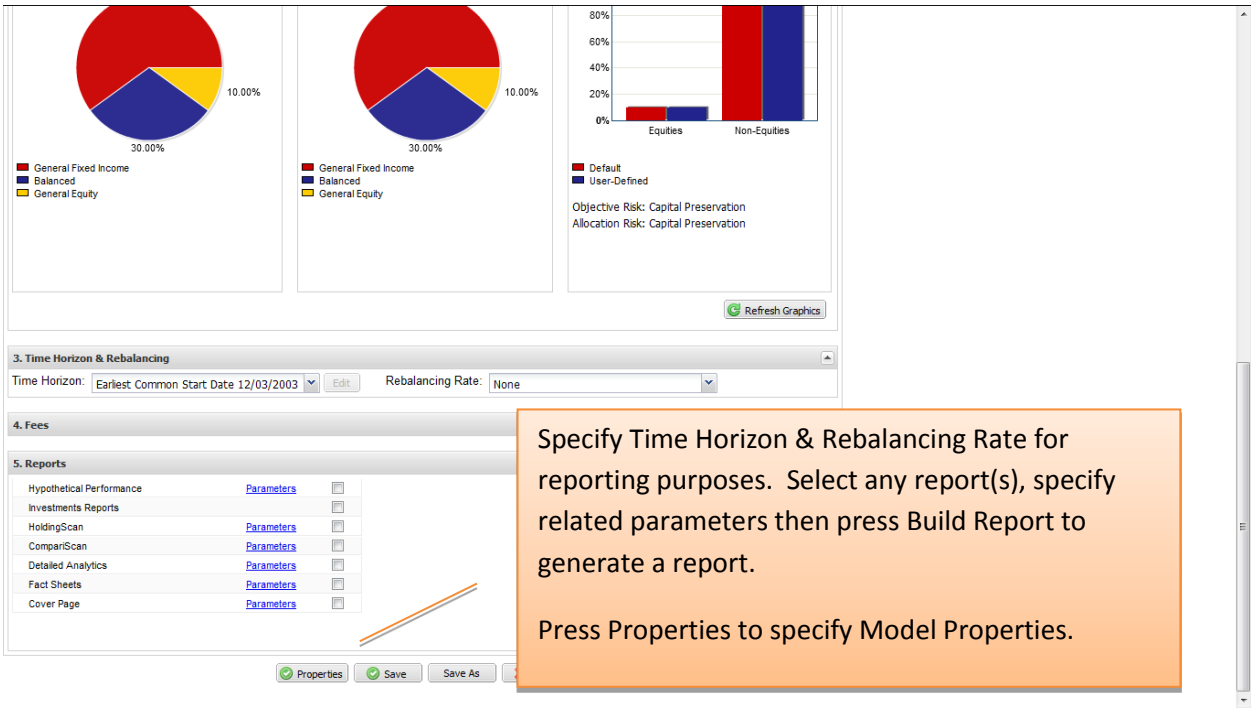
Press import to import an Excel CSV file containing assets and their weightings.

Press Opimize to build an efficient frontier for the given assets.

Click Delete to remove any Category along with its Subcategory(s) and Asset(s), any Subcategory(s) and Asset(s) or any Asset(s)

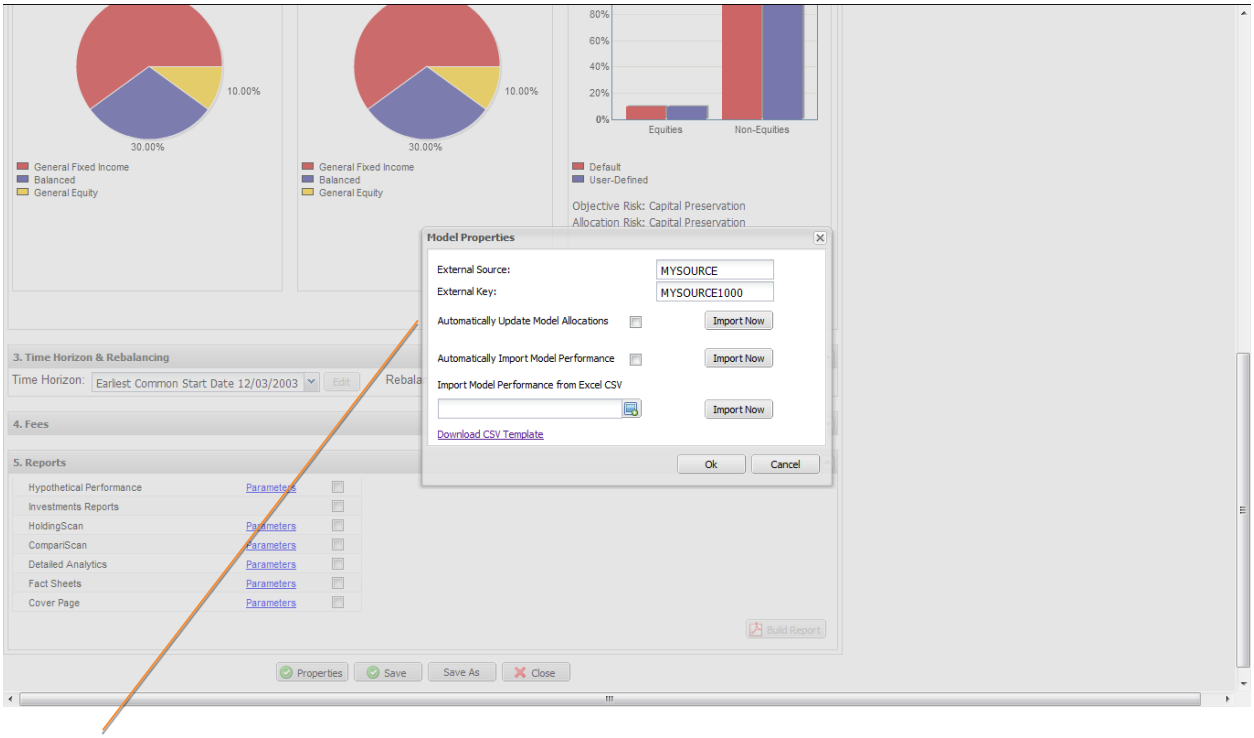
When clicking on Search, List or Screener at the Category or Subcategory level, default filters will be applied.





Specify Time Horizon & Rebalancing Rate for reporting purposes. Select any report(s), specify related parameters then press Build Report to generate a report.

Press Properties to specify Model Properties.



External Source can be any alpha numeric descriptor for the source of the model. For example, ORION users should enter an External Source of ORION in order to import models from this source.

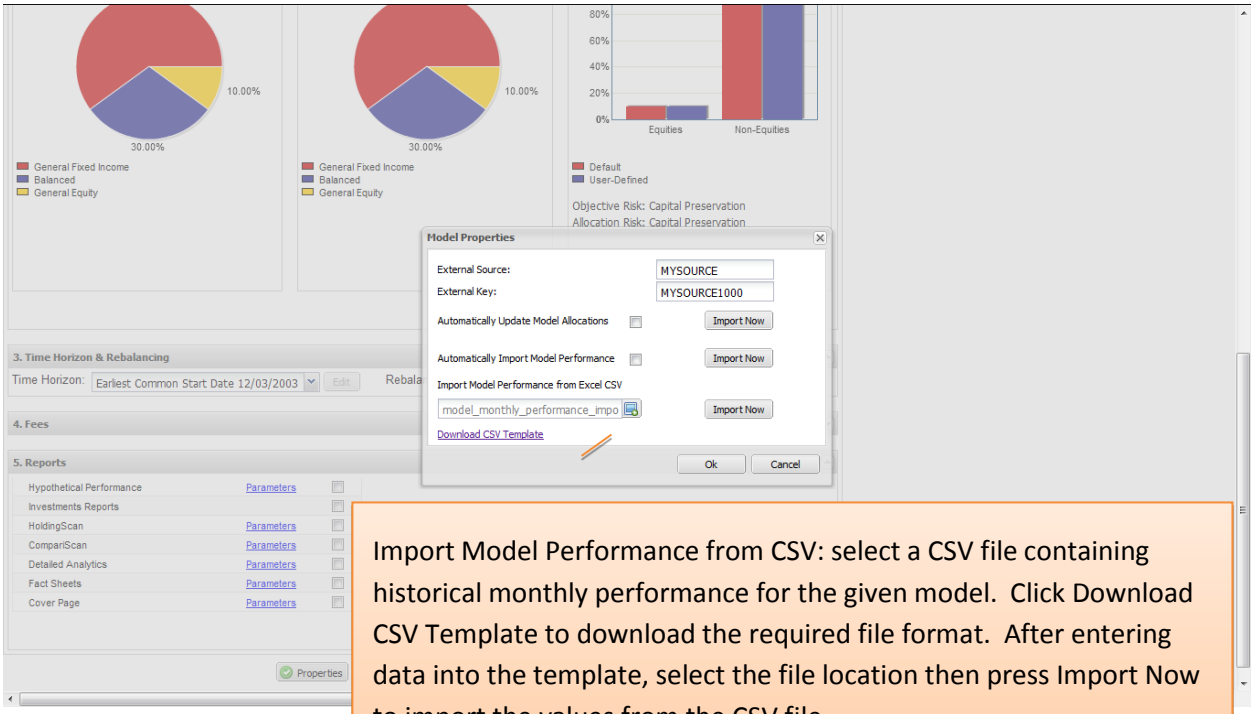
External Key can be any alpha numeric identifier for the model. For example, ORION users should enter an External Key equal to the ModelID in order to import models from this source. Note that the External Key equates to a ticker for the given model.

Automatically Update Model Allocations Select this option to update the given model allocations from the External Source automatically on the 5th of every month. Press Import Now to import the model allocations from the External Source.

Feature only available for ORION users as of Q1 2012.

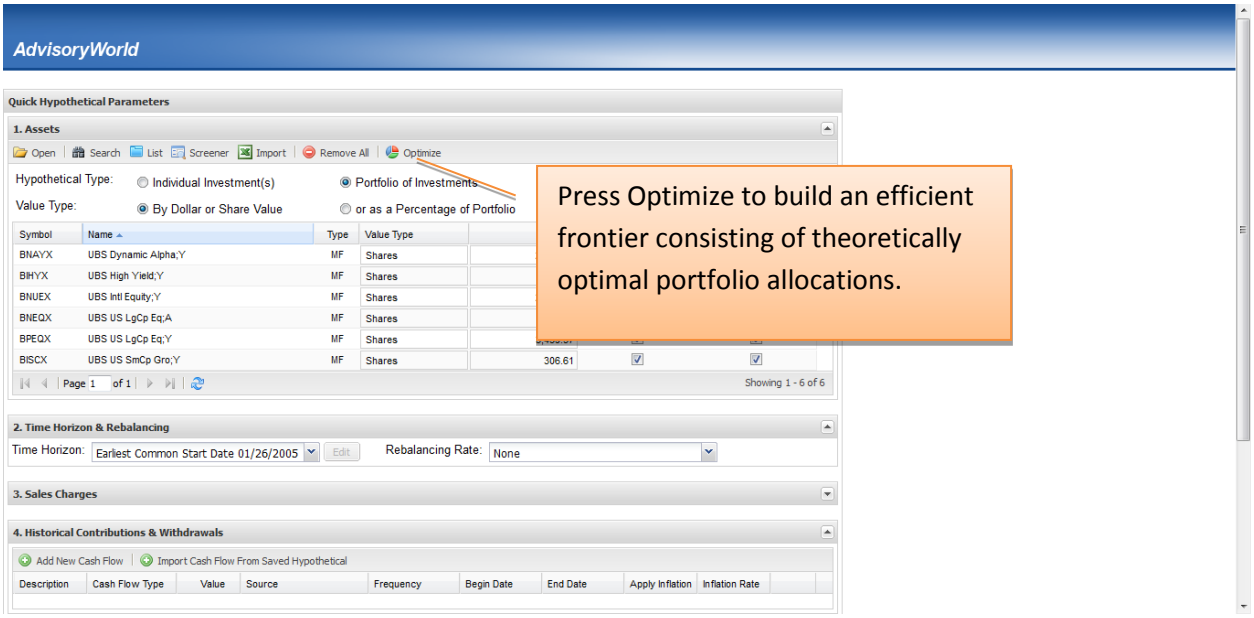
Automatically Update Model Performance Select this option to update the given model historical monthly returns from the External Source automatically on the 5th of every month. Press Import Now to import the model performance from the External Source.

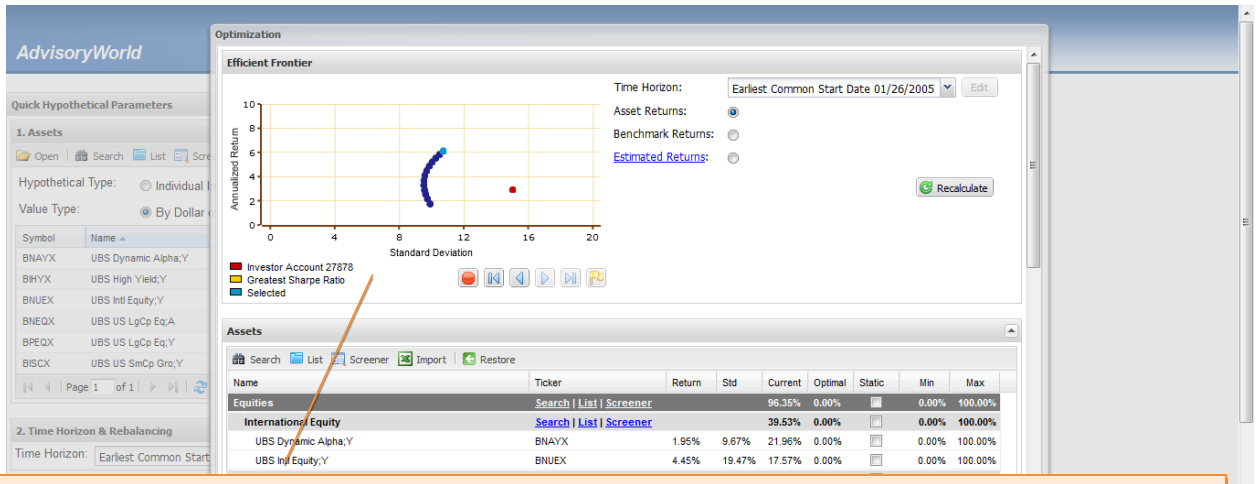
Feature only available for ORION users as of 1/1/2012.



Import Model Performance from CSV: select a CSV file containing historical monthly performance for the given model. Click Download CSV Template to download the required file format. After entering data into the template, select the file location then press Import Now to import the values from the CSV file.

Press OK to Save Changes and close the form or Press Cancel to close the form without saving changes.

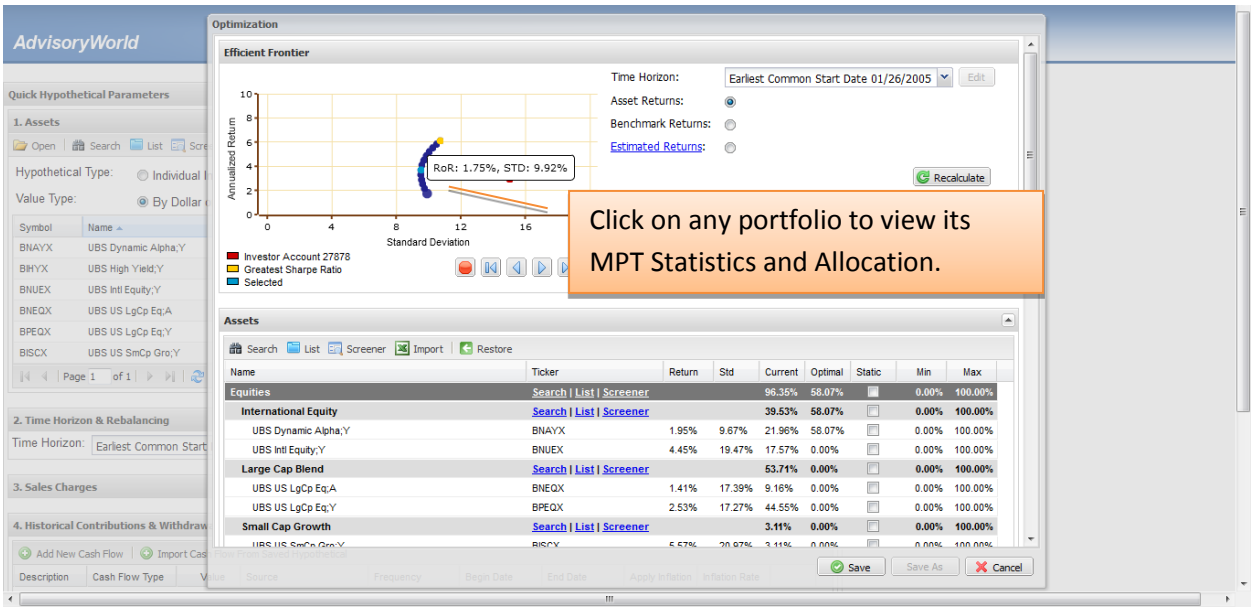

AdvisoryWorld
Quick Hypothetical Parameters
1. Assets
Open | Search | List | Screener | Import | Remove All | Optimize
Hypothetical Type: Individual Investment(s) Portfolio of Investments
Value Type: By Dollar or Share Value or as a Percentage of Portfolio
Symbol | Name | Type | Value Type
BNAYX | UBS Dynamic Alpha;Y | MF | Shares
BIHYX | UBS High Yield;Y | MF | Shares
BNUEX | UBS Intl Equity;Y | MF | Shares
BNEQX | UBS US LgCp Eq;A | MF | Shares
BPEQX | UBS US LgCp Eq;Y | MF | Shares
BISCX | UBS US SmCp Gro;Y | MF | Shares 306.61
Page 1 of 1 Showing 1 - 6 of 6
2. Time Horizon & Rebalancing
Time Horizon: Earliest Common Start Date 01/26/2005 Edit
Rebalancing Rate: None
3. Sales Charges
4. Historical Contributions & Withdrawals
Add New Cash Flow | Import Cash Flow From Saved Hypothetical
Description | Cash Flow Type | Value | Source | Frequency | Begin Date | End Date | Apply Inflation | Inflation Rate
Press Optimize to build an efficient frontier consisting of theoretically optimal portfolio allocations.

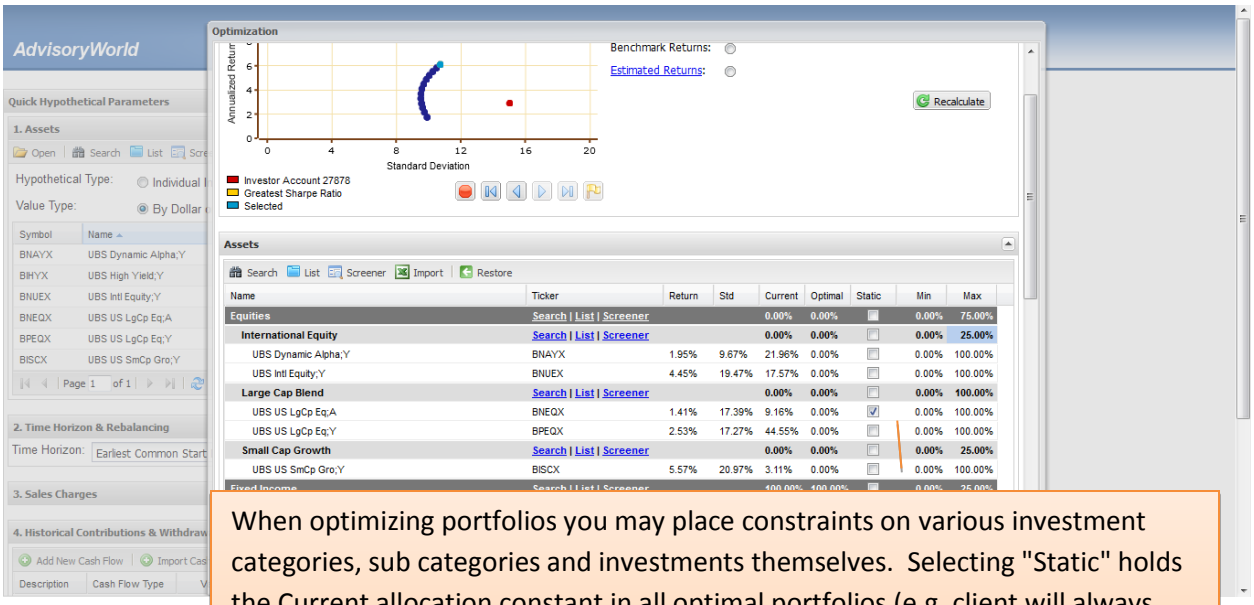

AdvisoryWorld
Optimization
Efficient Frontier
Annualized Return
Standard Deviation
Time Horizon: Earliest Common Start Date 01/26/2005 Edit
Asset Returns:
Benchmark Returns:
Estimated Returns:
Recalculate
Investor Account 27878
Greatest Sharpe Ratio
Selected
Assets
Search | List | Screener | Import | Restore
Name | Ticker | Return | Std | Current | Optimal | Static | Min | Max
Equities | Search | List | Screener | 96.35% | 0.00% | 0.00% | 100.00%
International Equity | Search | List | Screener | 39.53% | 0.00% | 0.00% | 100.00%
UBS Dynamic Alpha;Y | BNAYX | 1.95% | 9.67% | 21.96% | 0.00% | 0.00% | 100.00%
UBS Intl Equity;Y | BNUEX | 4.45% | 19.47% | 17.57% | 0.00% | 0.00% | 100.00%

The Efficient Frontier consists of a series of portfolios plotted against annualized return (y-axis) and standard deviation (x-axis).

All Blue Dots are theoretically efficient portfolios. By default the portfolio with the highest Sharpe ratio is selected and highlighted in a light blue color.

The beginning portfolio allocation (current or other) is highlighted in Red.

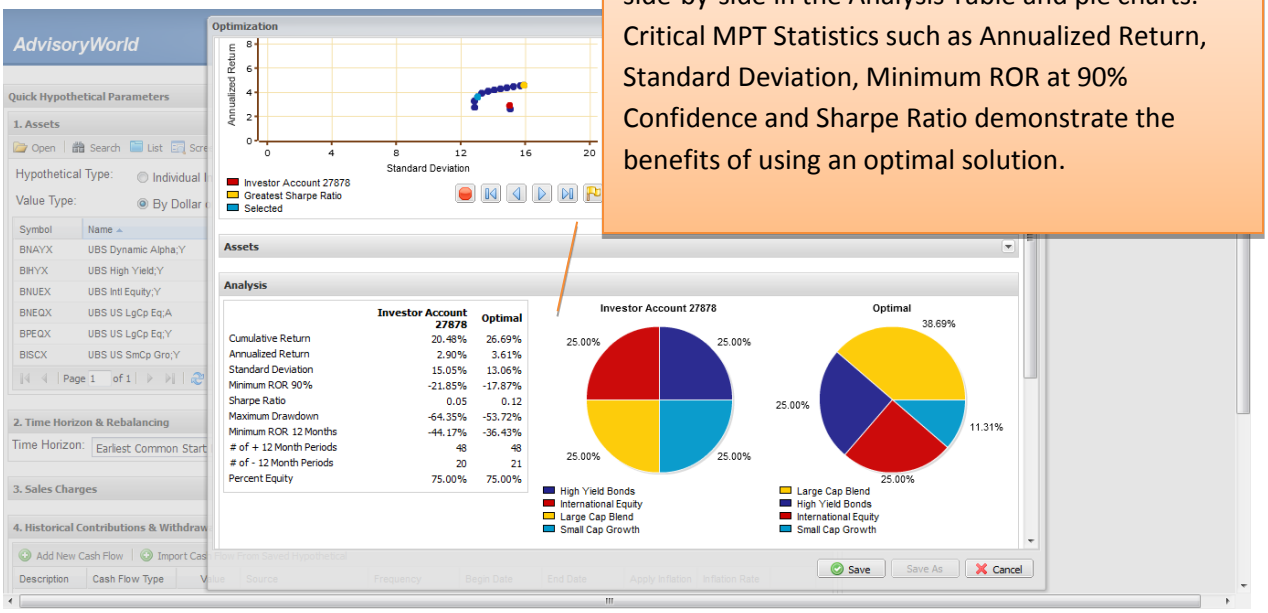




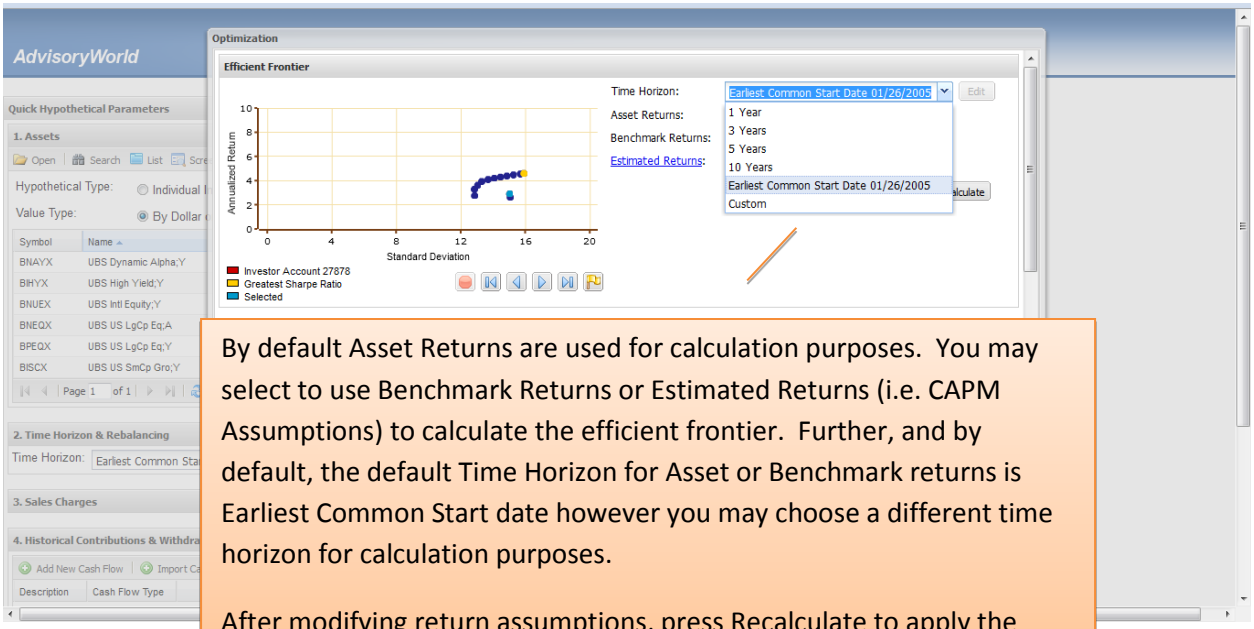
When optimizing portfolios you may place constraints on various investment categories, sub categories and investments themselves. Selecting "Static" holds the Current allocation constant in all optimal portfolios (e.g. client will always hold 5% AAPL no more, no less).

Notice that Min(imum) and Max(imum) constraints can be set forth as well (e.g. a maximum of 25% International Equity and a Minimum of 1% Cash).

After setting constraints, press Recalculate to apply the constraints and rebuild the efficient frontier.

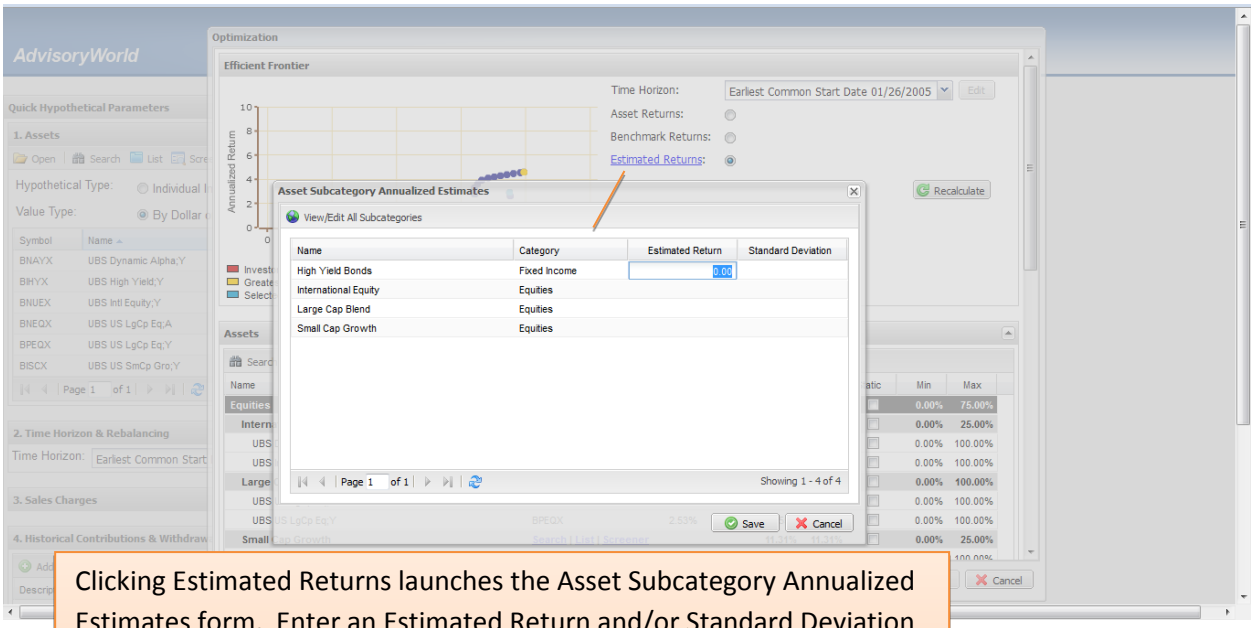


The Current and Optimal Portfolios are displayed side-by-side in the Analysis Table and pie charts. Critical MPT Statistics such as Annualized Return, Standard Deviation, Minimum ROR at 90% Confidence and Sharpe Ratio demonstrate the benefits of using an optimal solution.



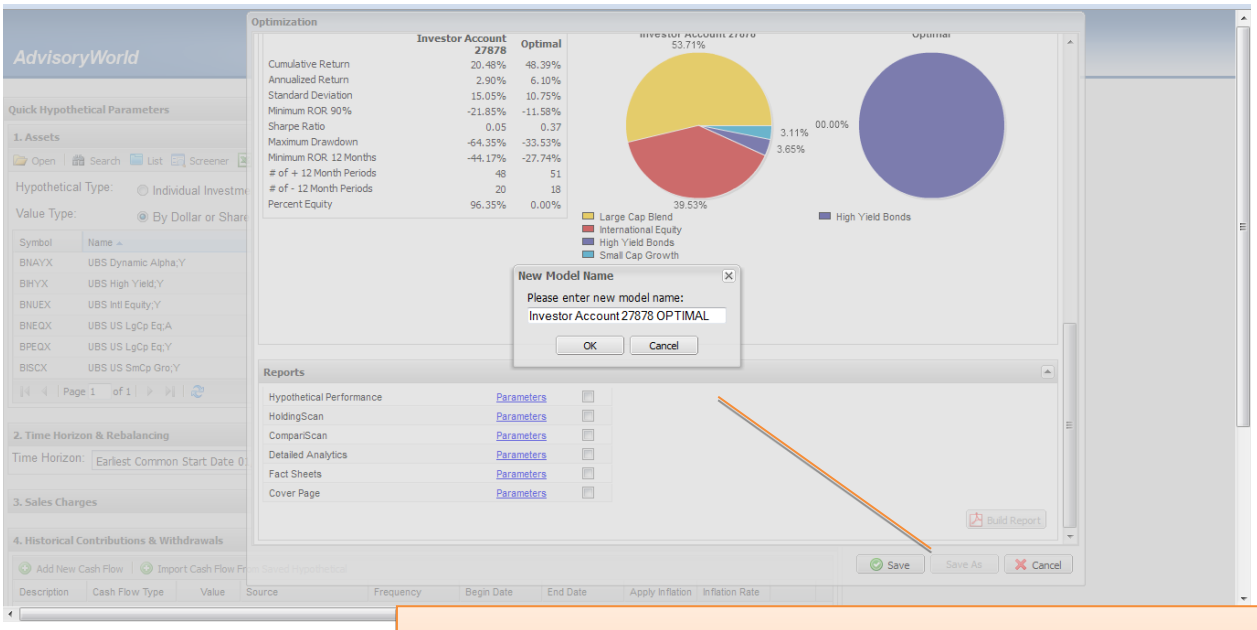
By default Asset Returns are used for calculation purposes. You may select to use Benchmark Returns or Estimated Returns (i.e. CAPM Assumptions) to calculate the efficient frontier. Further, and by default, the default Time Horizon for Asset or Benchmark returns is Earliest Common Start date however you may choose a different time horizon for calculation purposes.

After modifying return assumptions, press Recalculate to apply the return series and rebuild the efficient frontier.

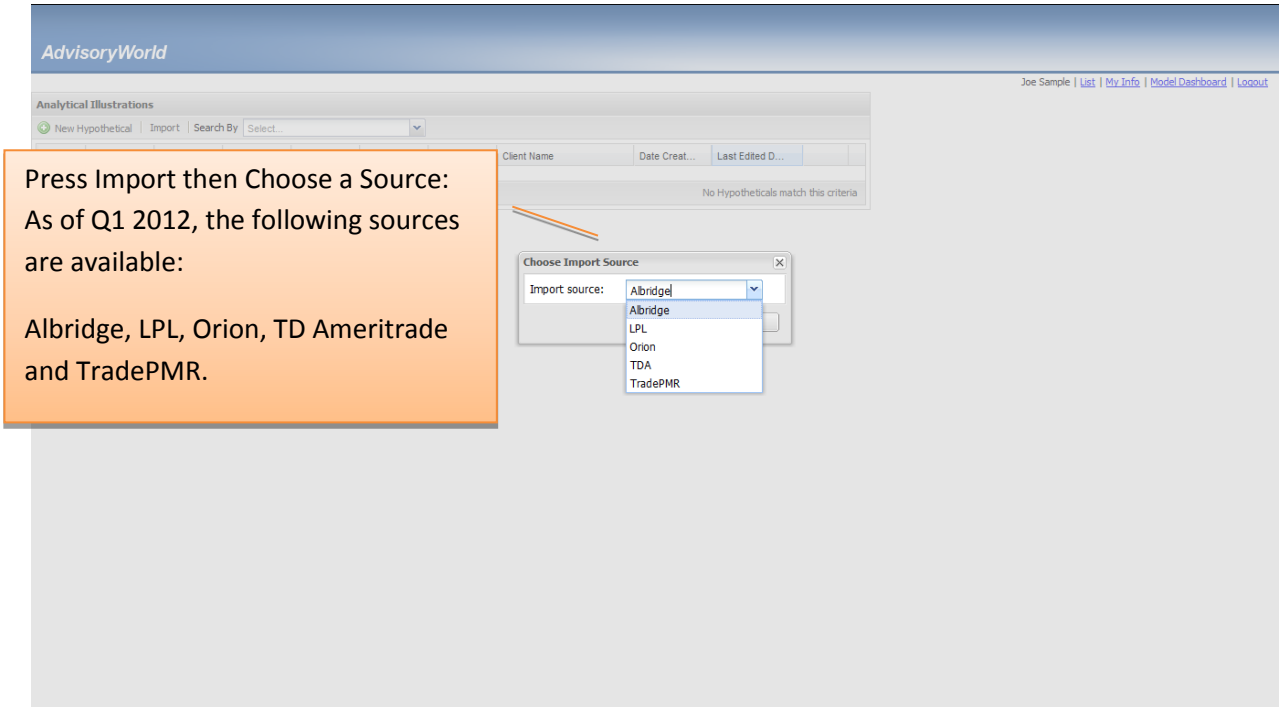


Clicking Estimated Returns launches the Asset Subcategory Annualized Estimates form. Enter an Estimated Return and/or Standard Deviation for any or all of the Subcategories in the portfolio. Leaving either Estimated Return or Standard Deviation field blank will default to use historical performance of the given Subcategory. Press View/Edit All Subcategories to view and edit subcategory performance for all subcategories regardless of whether or not they are in the given portfolio.

Press Save to save Subcategory estimates or Cancel to close the window without saving. Note: All correlation matrices are defined based on historical performance and cannot be modified.

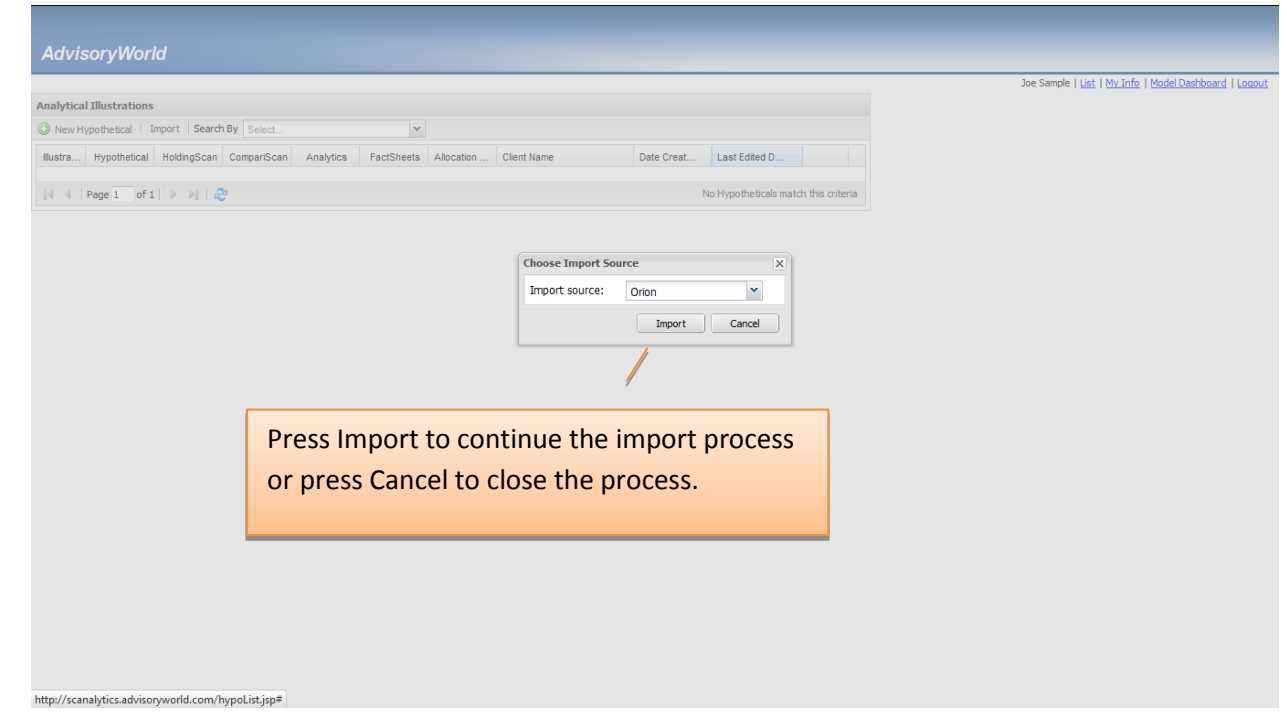


Press Save to update the current portfolio with the optimal allocation, press Save As to save the Optimal portfolio as a new portfolio or press Cancel to close the window without saving.

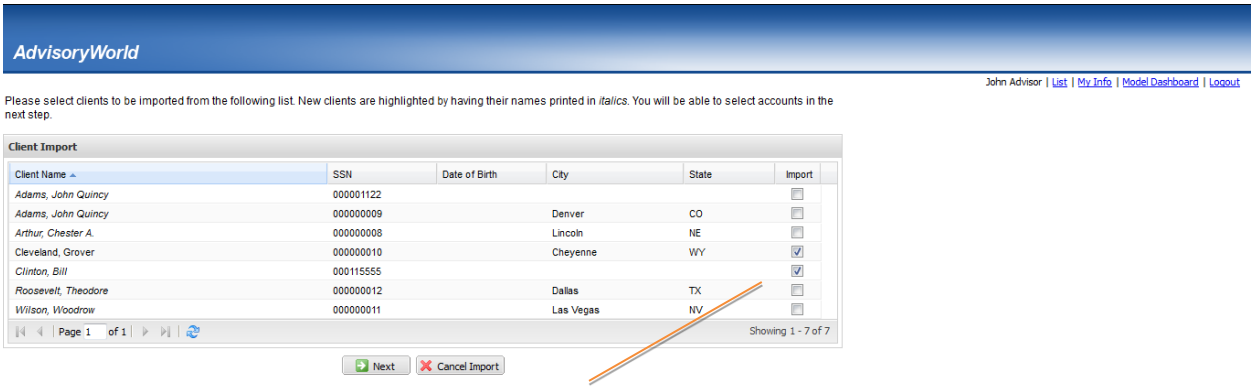


Press Import then Choose a Source: As of Q1 2012, the following sources are available:

Albridge, LPL, Orion, TD Ameritrade and TradePMR.

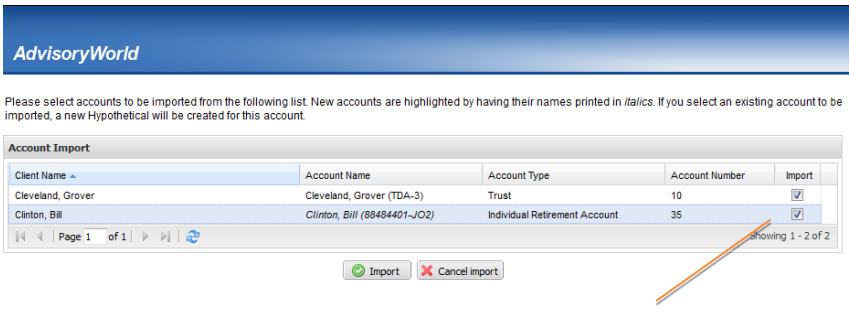

AdvisoryWorld
Joe Sample | List | My Info | Model Dashboard | Logout
Analytical Illustrations
New Hypothetical | Import | Search By Select...
Illustra... | Hypothetical | HoldingScan | CompariScan | Analytics | FactSheets | Allocation ... | Client Name | Date Creat... | Last Edited D...
Page 1 of 1
No Hypotheticals match this criteria
Choose Import Source
Import source: Orion
Import
Cancel
http://scanalytics.advisoryworld.com/hypoList.jsp#

Press Import to continue the import process or press Cancel to close the process.


AdvisoryWorld
John Advisor | List | My Info | Model Dashboard | Logout
Please select clients to be imported from the following list. New clients are highlighted by having their names printed in italics. You will be able to select accounts in the next step.
Client Import
Client Name
SSN
Date of Birth
City
State
Import
Adams, John Quincy 000001122
Adams, John Quincy 000000009 Denver CO
Arthur, Chester A. 000000008 Lincoln NE
Cleveland, Grover 000000010 Cheyenne WY
Clinton, Bill 000115555
Roosevelt, Theodore 000000012 Dallas TX
Wilson, Woodrow 000000011 Las Vegas NV
Page 1 of 1
Showing 1 - 7 of 7
Next
Cancel Import

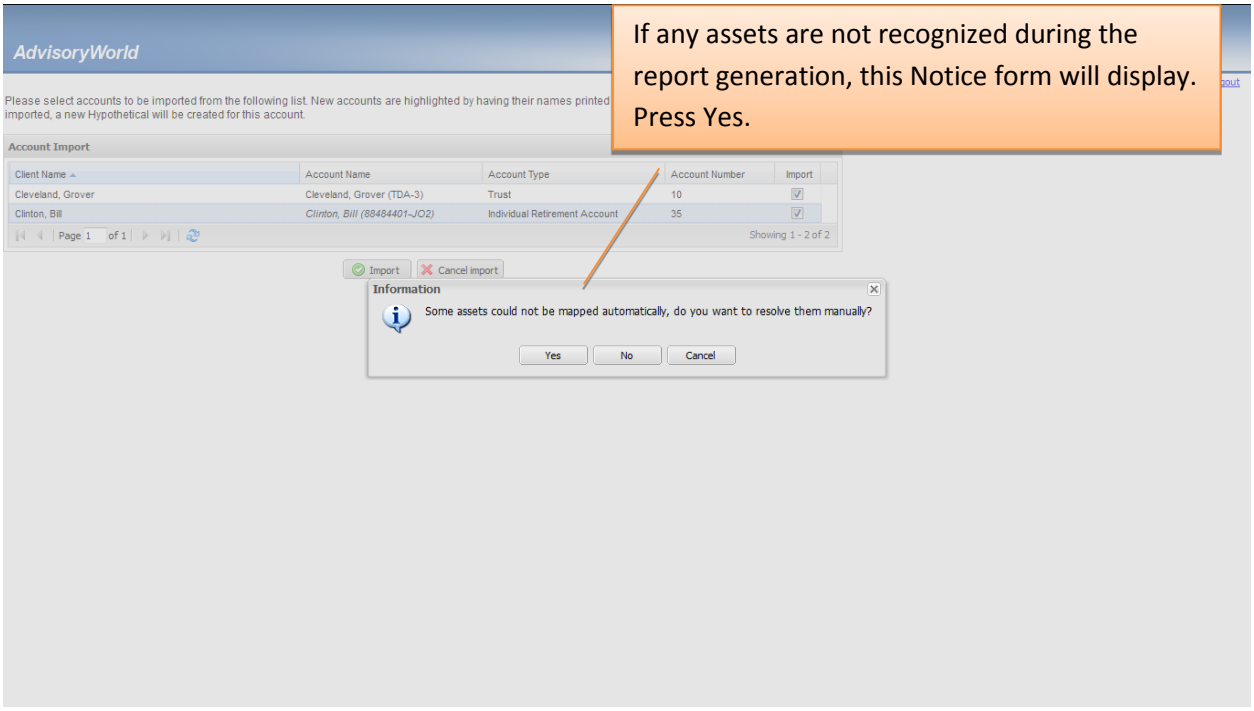
Select the Client(s) for import.

20 clients are listed per page, use the Page options to navigate across multiple pages of clients if applicable. Sort client data by clicking on any of the column headers.

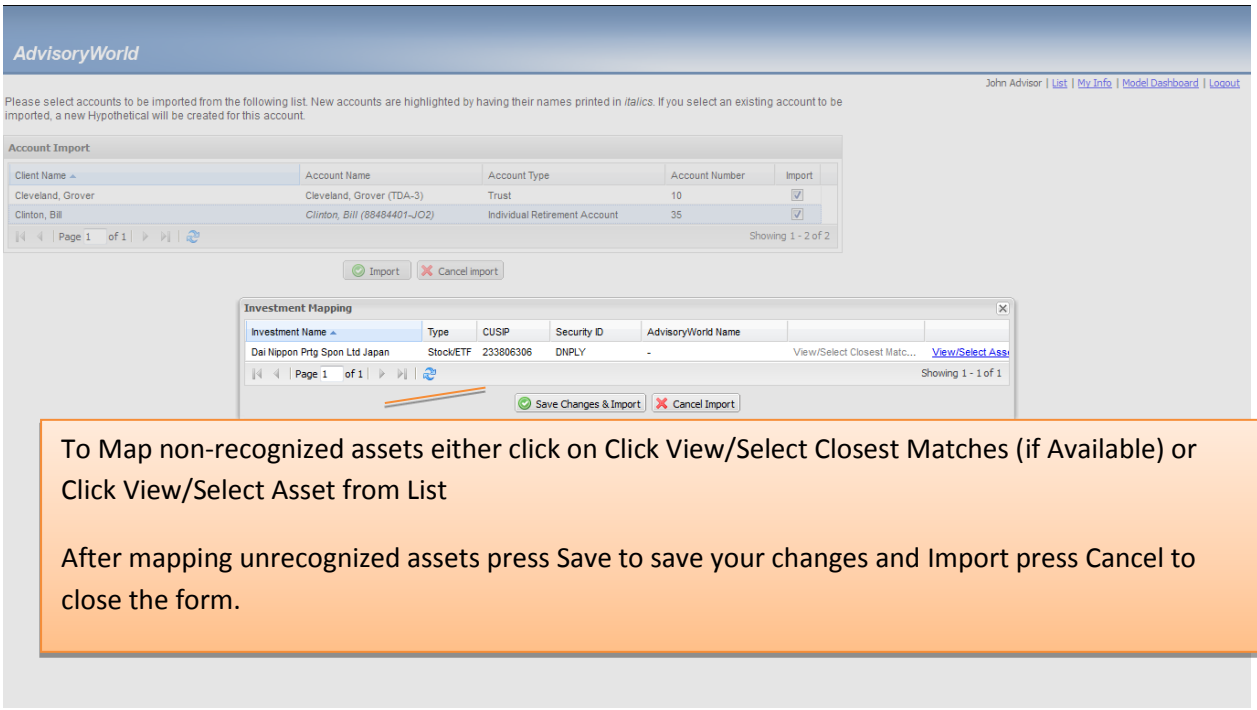

AdvisoryWorld
John Advisor | List | My Info | Model Dashboard | Logout
Please select accounts to be imported from the following list. New accounts are highlighted by having their names printed in italics. If you select an existing account to be imported, a new Hypothetical will be created for this account.
Account Import
Client Name
Account Name
Account Type
Account Number
Import
Cleveland, Grover Cleveland, Grover (TDA-3) Trust 10
Clinton, Bill Clinton, Bill (88484401-JO2) Individual Retirement Account 35
Page 1 of 1
Showing 1 - 2 of 2
Import
Cancel import

Select the Account(s) for import.

20 accounts are listed per page, use the Page options to navigate across multiple pages of accounts if applicable. Sort account data by clicking on any of the column headers.

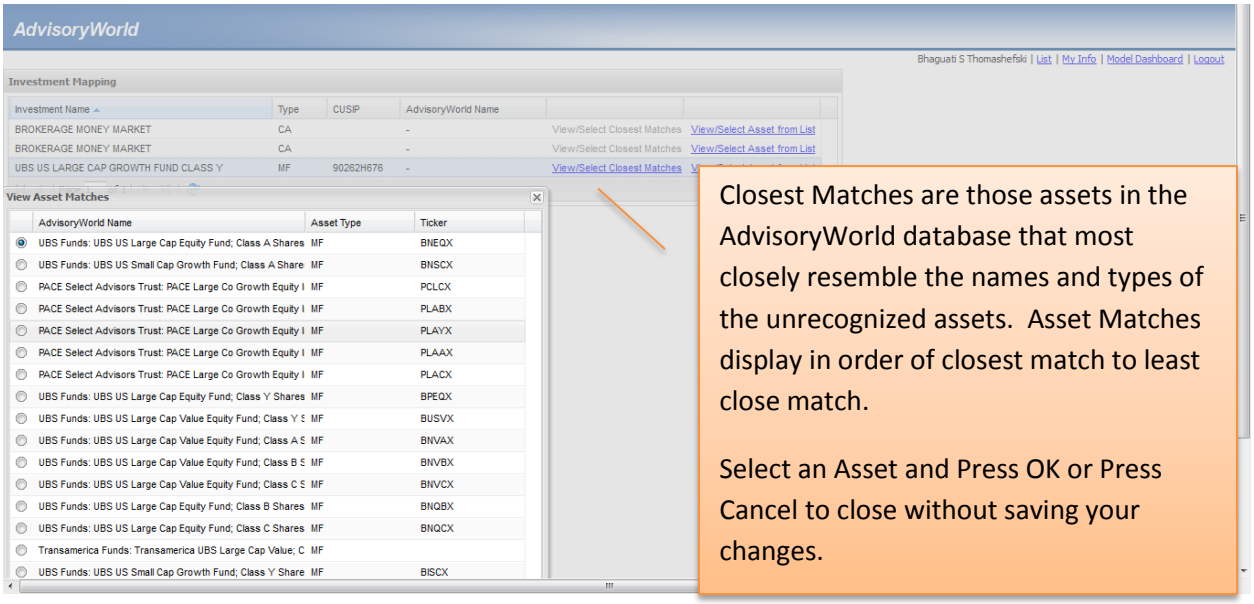


If any assets are not recognized during the report generation, this Notice form will display. Press Yes.



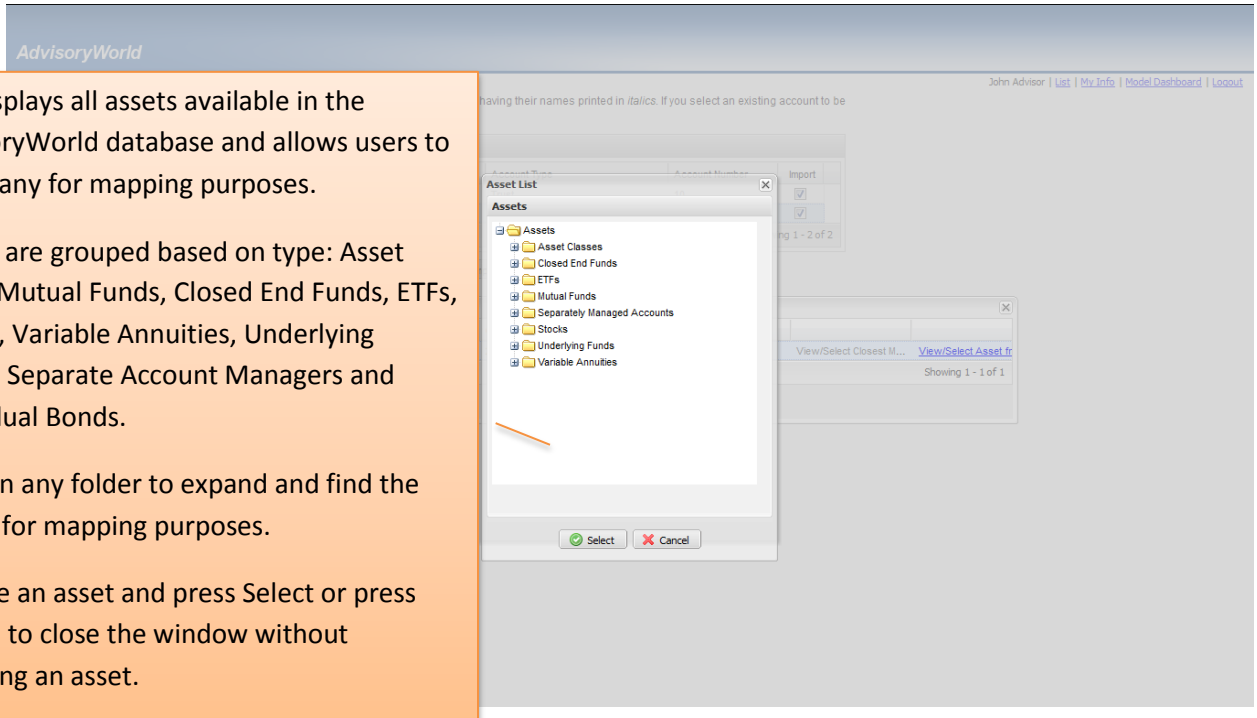
To Map non-recognized assets either click on Click View/Select Closest Matches (if Available) or Click View/Select Asset from List

After mapping unrecognized assets press Save to save your changes and Import press Cancel to close the form.


AdvisoryWorld
Bhaguati S Thomashefski | List | My Info | Model Dashboard | Logout
Investment Mapping
Investment Name
Type
CUSIP
AdvisoryWorld Name
BROKERAGE MONEY MARKET
CA
View/Select Closest Matches
View/Select Asset from List
BROKERAGE MONEY MARKET
CA
View/Select Closest Matches
View/Select Asset from List
UBS US LARGE CAP GROWTH FUND CLASS Y
MF
90262H676
View/Select Closest Matches
View Asset Matches
AdvisoryWorld Name
Asset Type
Ticker
UBS Funds: UBS US Large Cap Equity Fund; Class A Shares MF BNEQX
UBS Funds: UBS US Small Cap Growth Fund; Class A Share MF BNSCX
PACE Select Advisors Trust: PACE Large Co Growth Equity I MF PCLCX
PACE Select Advisors Trust: PACE Large Co Growth Equity I MF PLABX
PACE Select Advisors Trust: PACE Large Co Growth Equity I MF PLAYX
PACE Select Advisors Trust: PACE Large Co Growth Equity I MF PLAAX
PACE Select Advisors Trust: PACE Large Co Growth Equity I MF PLACX
UBS Funds: UBS US Large Cap Equity Fund; Class Y Shares MF BPEQX
UBS Funds: UBS US Large Cap Value Equity Fund; Class Y S MF BUSVX
UBS Funds: UBS US Large Cap Value Equity Fund; Class A S MF BNVAX
UBS Funds: UBS US Large Cap Value Equity Fund; Class B S MF BNVBX
UBS Funds: UBS US Large Cap Value Equity Fund; Class C S MF BNVCX
UBS Funds: UBS US Large Cap Equity Fund; Class B Shares MF BNQBX
UBS Funds: UBS US Large Cap Equity Fund; Class C Shares MF BNQCX
Transamerica Funds: Transamerica UBS Large Cap Value; C MF
UBS Funds: UBS US Small Cap Growth Fund; Class Y Share MF BISCX

Closest Matches are those assets in the AdvisoryWorld database that most closely resemble the names and types of the unrecognized assets. Asset Matches display in order of closest match to least close match.

Select an Asset and Press OK or Press Cancel to close without saving your changes.

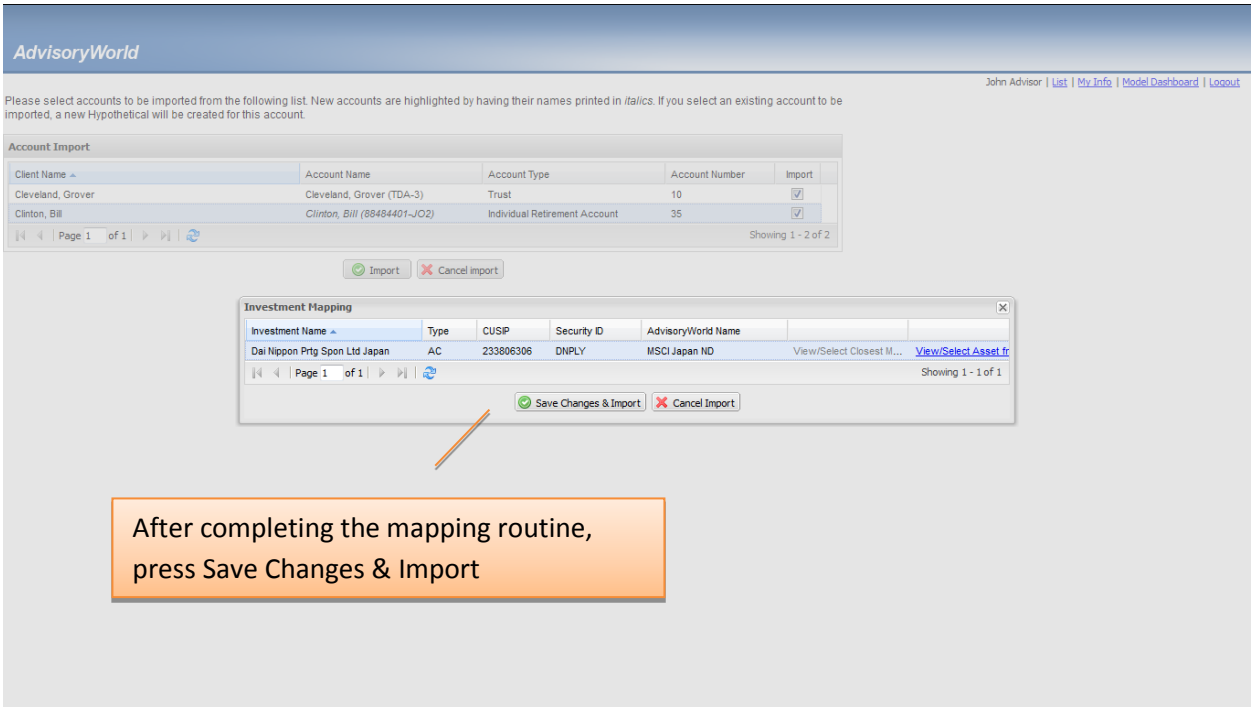


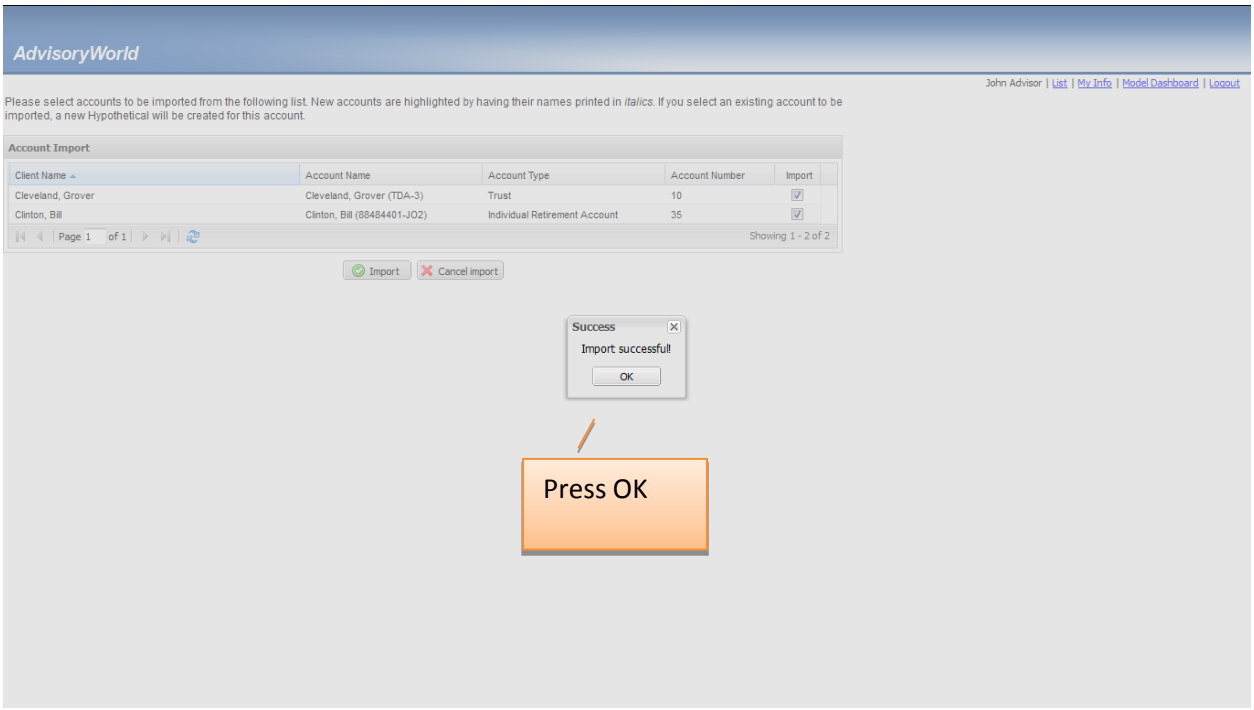
List displays all assets available in the AdvisoryWorld database and allows users to select any for mapping purposes.

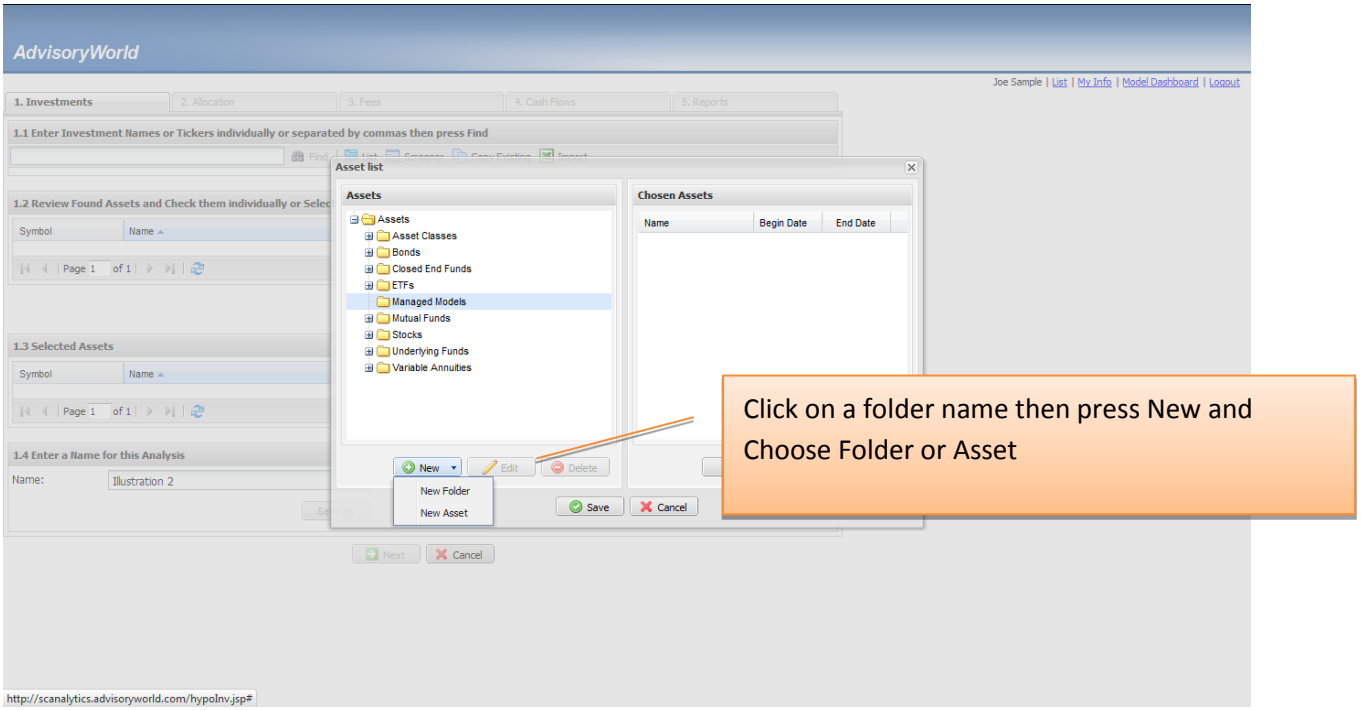
Assets are grouped based on type: Asset Class, Mutual Funds, Closed End Funds, ETFs, Stocks, Variable Annuities, Underlying Funds, Separate Account Managers and Individual Bonds.

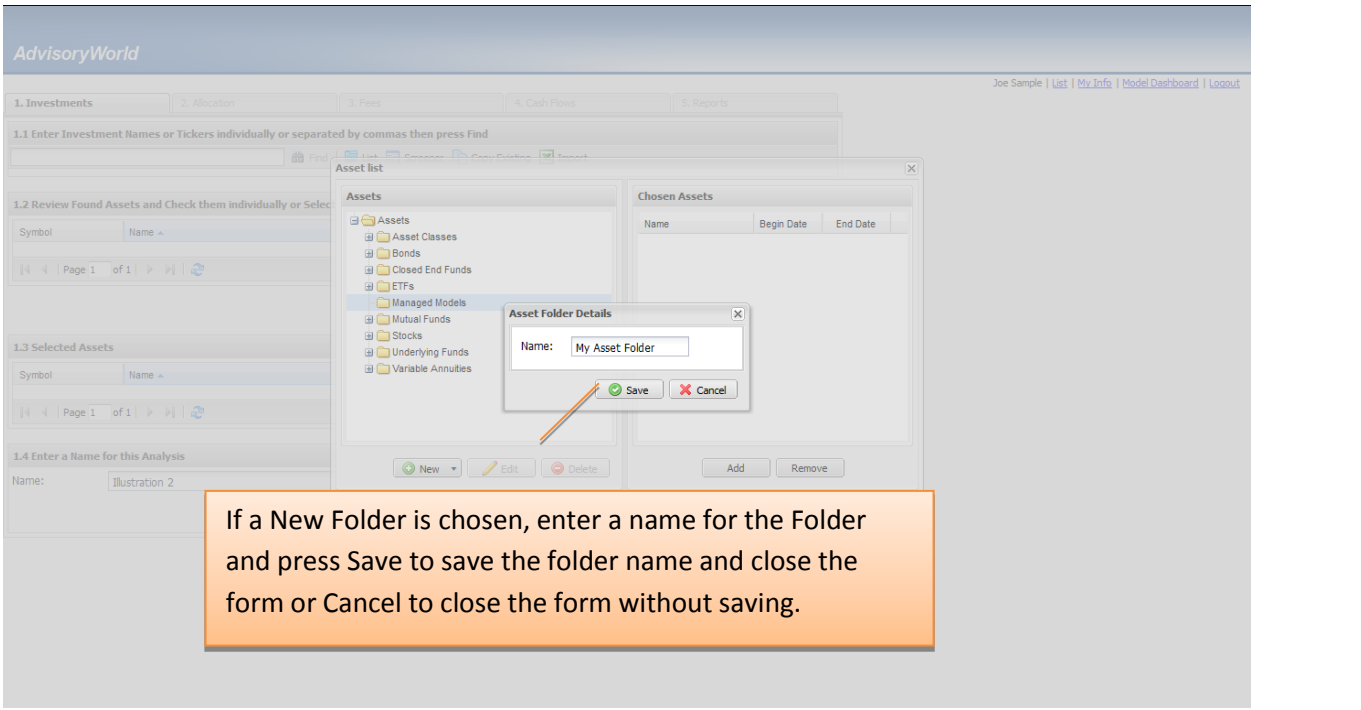
Click on any folder to expand and find the assets for mapping purposes.

Choose an asset and press Select or press Cancel to close the window without selecting an asset.


AdvisoryWorld
John Advisor | List | My Info | Model Dashboard | Logout
Please select accounts to be imported from the following list. New accounts are highlighted by having their names printed in italics. If you select an existing account to be imported, a new Hypothetical will be created for this account.
Account Import
Client Name
Account Name
Account Type
Account Number
Import
Cleveland, Grover
Cleveland, Grover (TDA-3)
Trust
10
Clinton, Bill
Clinton, Bill (88484401-JO2)
Individual Retirement Account
35
Page 1 of 1
Showing 1 - 2 of 2
Import
Cancel import
Investment Mapping
Investment Name
Type
CUSIP
Security ID
AdvisoryWorld Name
Dai Nippon Prtg Spon Ltd Japan
AC
233806306
DNPLY
MSCI Japan ND
View/Select Closest M...
View/Select Asset fr
Page 1 of 1
Showing 1 - 1 of 1
Save Changes & Import
Cancel Import
After completing the mapping routine, press Save Changes & Import


AdvisoryWorld
John Advisor | List | My Info | Model Dashboard | Logout
Please select accounts to be imported from the following list. New accounts are highlighted by having their names printed in italics. If you select an existing account to be imported, a new Hypothetical will be created for this account.
Account Import
Client Name
Account Name
Account Type
Account Number
Import
Cleveland, Grover
Cleveland, Grover (TDA-3)
Trust
10
Clinton, Bill
Clinton, Bill (88484401-JO2)
Individual Retirement Account
35
Page 1 of 1
Showing 1 - 2 of 2
Import
Cancel import
Success
Import successful!
OK
Press OK


AdvisoryWorld
Joe Sample | List | My Info | Model Dashboard | Logout
1. Investments
2. Allocation
3. Fees
4. Cash Flows
5. Reports
1.1 Enter Investment Names or Tickers individually or separated by commas then press Find
1.2 Review Found Assets and Check them individually or Selec
1.3 Selected Assets
1.4 Enter a Name for this Analysis
Name:
Illustration 2
Asset list
Assets
Asset Classes
Bonds
Closed End Funds
ETFs
Managed Models
Mutual Funds
Stocks
Underlying Funds
Variable Annuities
Chosen Assets
Name
Begin Date
End Date
New
Edit
Delete
New Folder
New Asset
Save
Cancel
Next
Cancel
Click on a folder name then press New and Choose Folder or Asset
http://scanalytics.advisoryworld.com/hypoInv.jsp#


AdvisoryWorld
Joe Sample | List | My Info | Model Dashboard | Logout
1. Investments
1.1 Enter Investment Names or Tickers individually or separated by commas then press Find
1.2 Review Found Assets and Check them individually or Selec
1.3 Selected Assets
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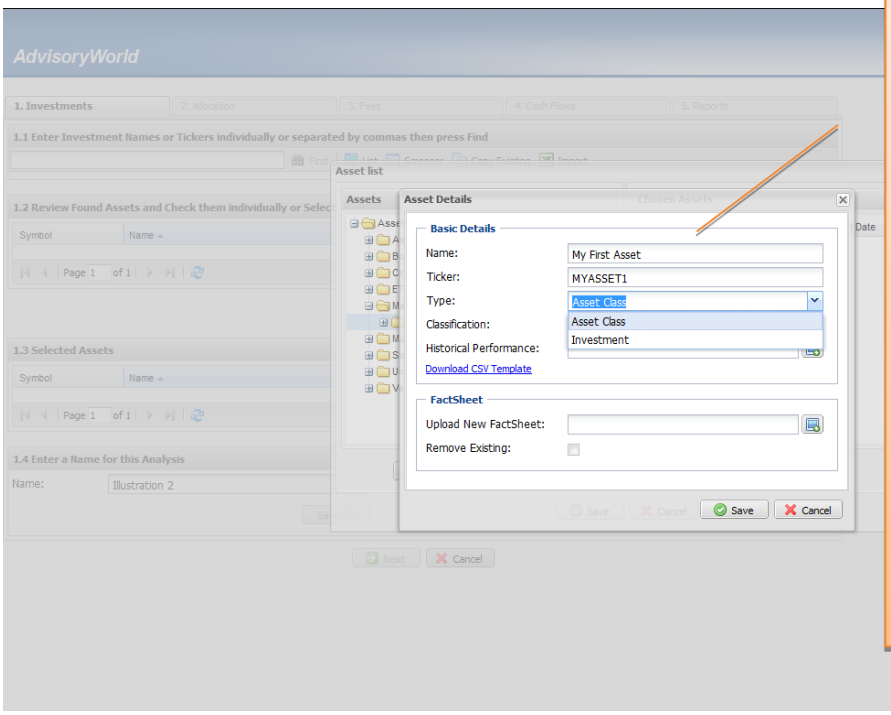
Name:
Illustration 2
Asset list
Assets
Asset Classes
Bonds
Closed End Funds
ETFs
Managed Models
Mutual Funds
Stocks
Underlying Funds
Variable Annuities
Asset Folder Details
Name:
My Asset Folder
Save
Cancel
Chosen Assets
Name
Begin Date
End Date
New
Edit
Delete
Add
Remove
If a New Folder is chosen, enter a name for the Folder and press Save to save the folder name and close the form or Cancel to close the form without saving.



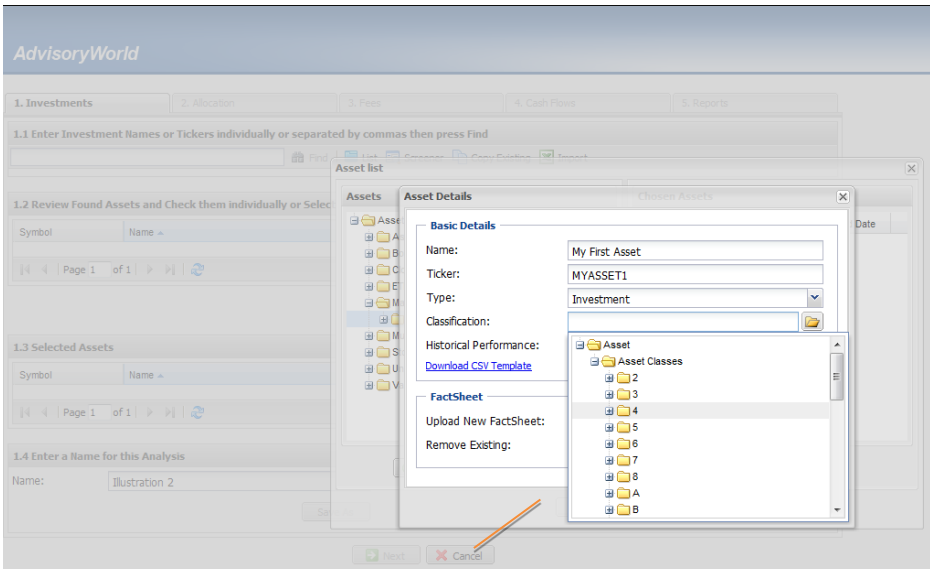
If a New Asset is chosen, enter the following:

Name: Name of the Asset

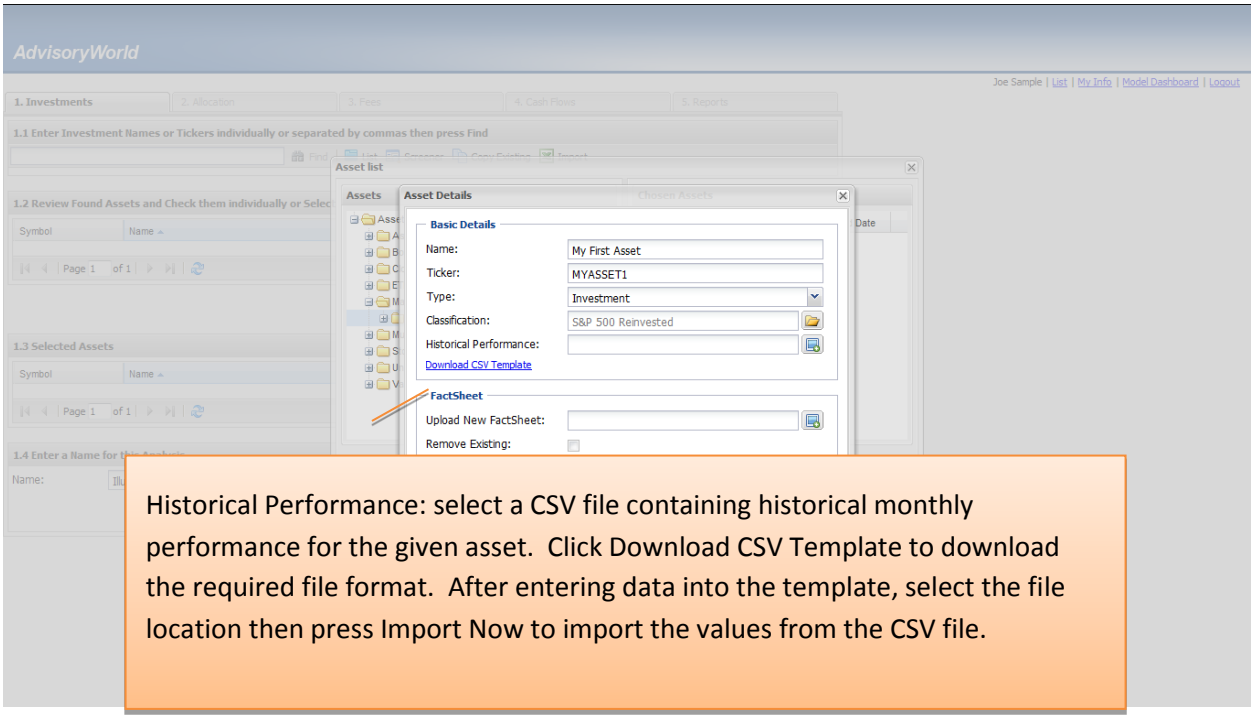
Ticker: alpha numeric identifier of the asset

Type: Asset Class (i.e. benchmark index) or Investment

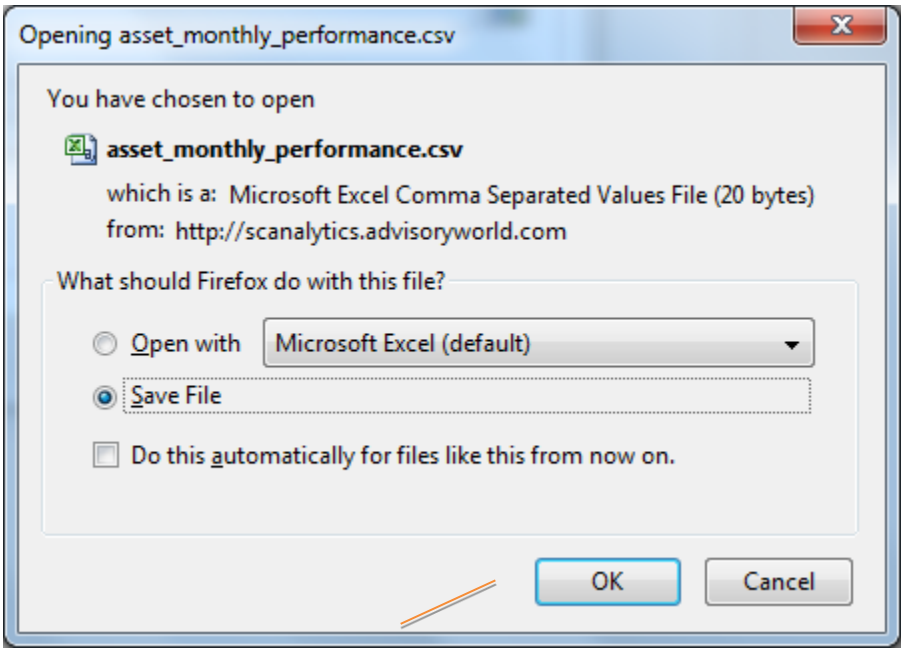
Classification: If the Type = Investment then you must select an Classification from the Asset List (such as S&P 500 Reinvested for Large Cap Blend)



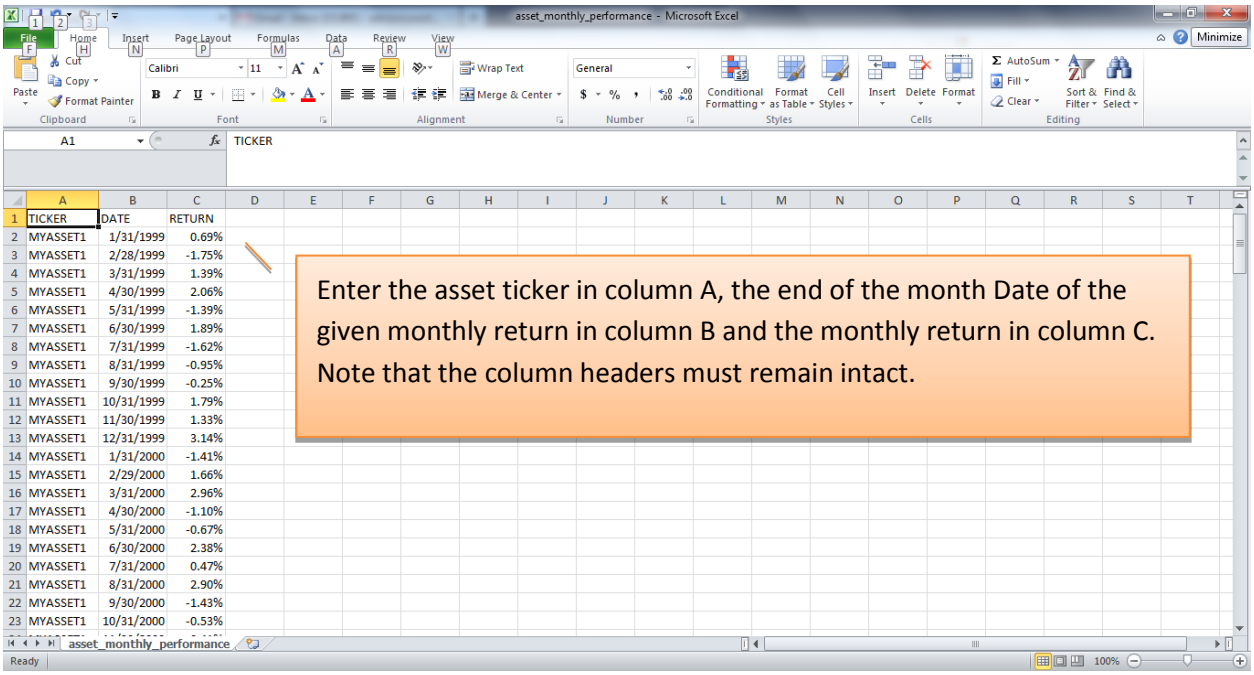
Select Asset Classification from the Asset Class tree (indices listed by name)



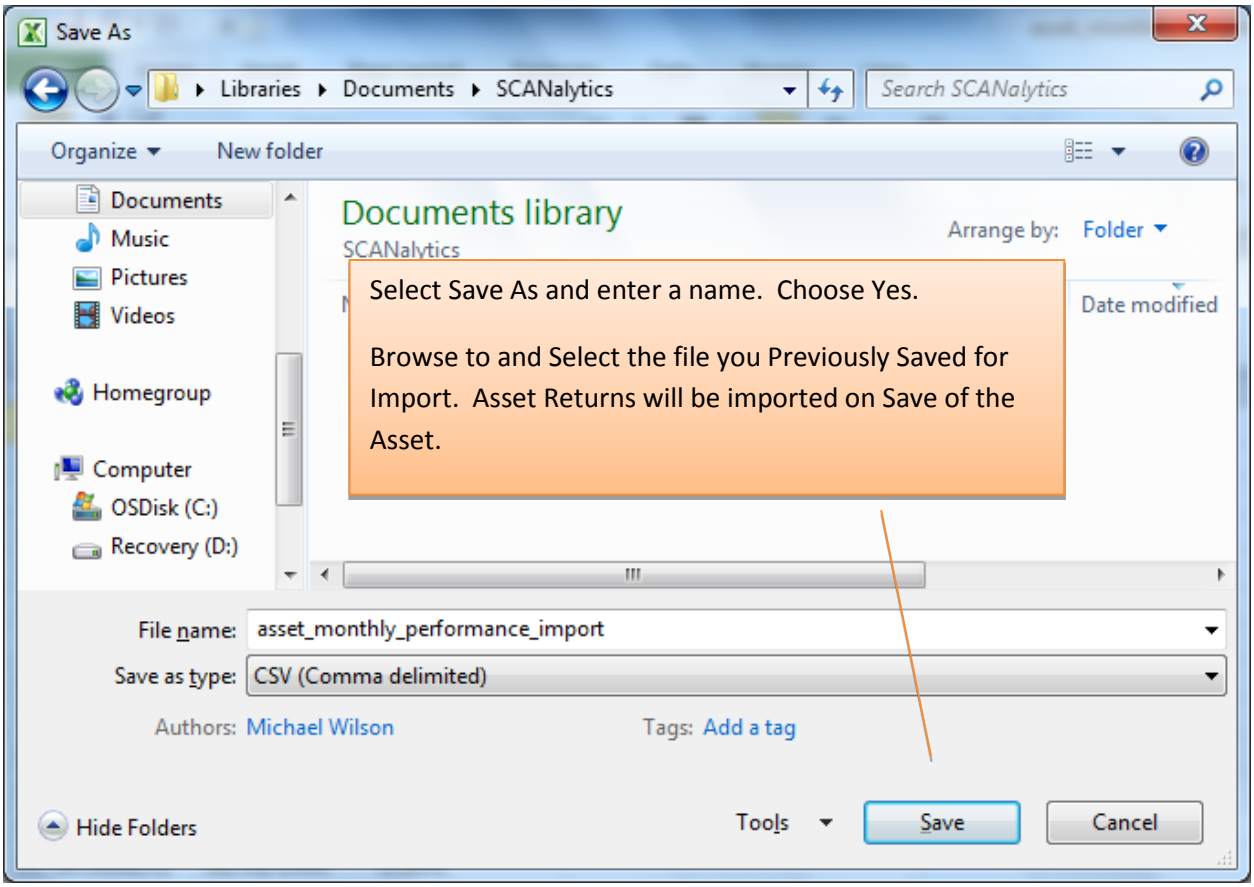
Historical Performance: select a CSV file containing historical monthly performance for the given asset. Click Download CSV Template to download the required file format. After entering data into the template, select the file location then press Import Now to import the values from the CSV file.

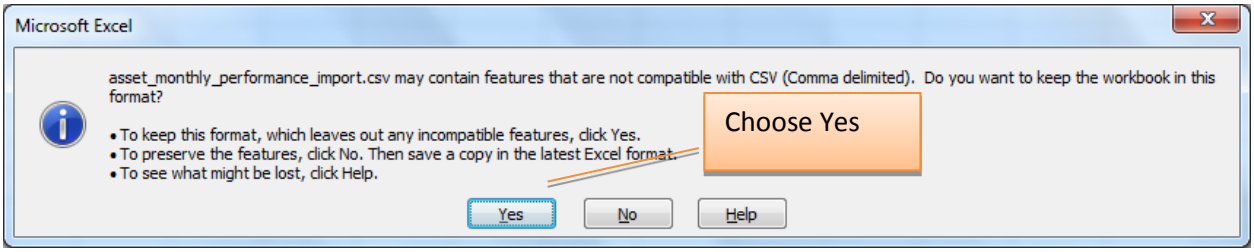


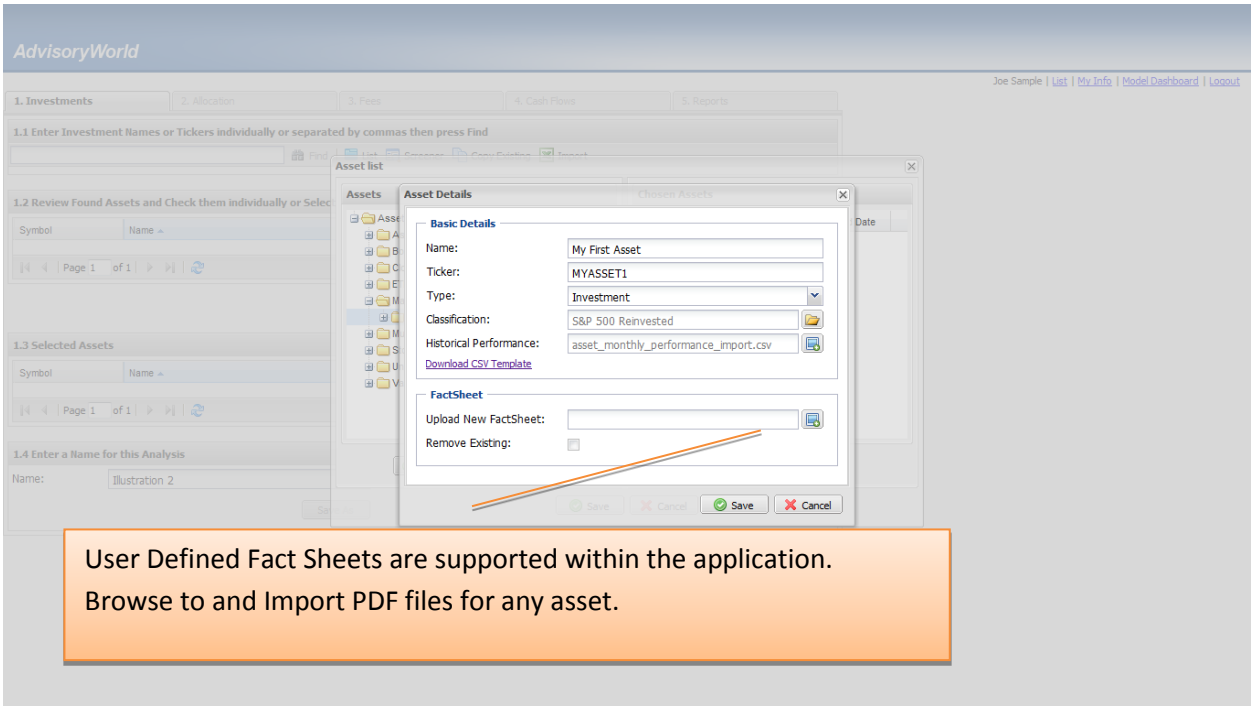
Choose Save File and Press OK

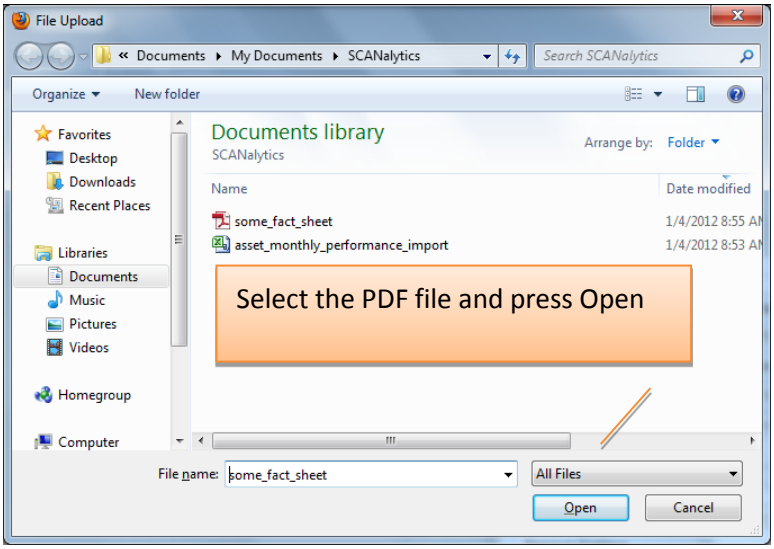

asset_monthly_performance - Microsoft Excel
Enter the asset ticker in column A, the end of the month Date of the given monthly return in column B and the monthly return in column C. Note that the column headers must remain intact.

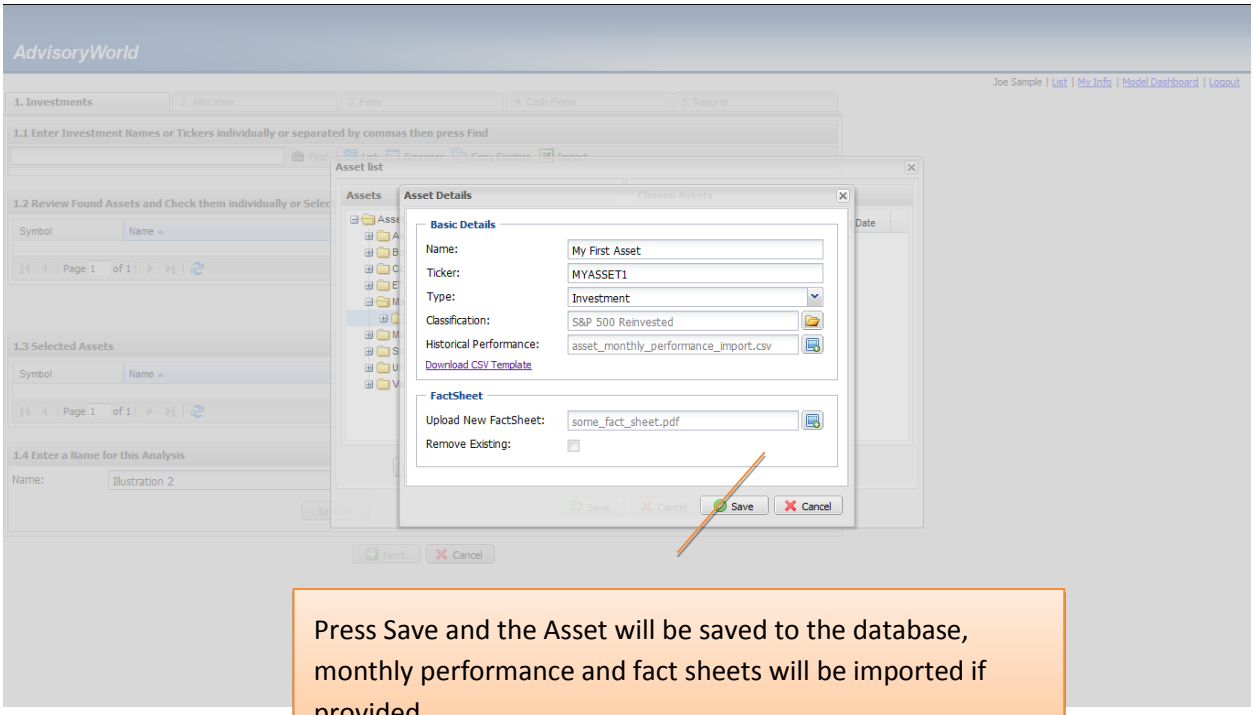
TICKER	DATE	RETURN
MYASSET1	1/31/1999	0.69%
MYASSET1	2/28/1999	-1.75%
MYASSET1	3/31/1999	1.39%
MYASSET1	4/30/1999	2.06%
MYASSET1	5/31/1999	-1.39%
MYASSET1	6/30/1999	1.89%
MYASSET1	7/31/1999	-1.62%
MYASSET1	8/31/1999	-0.95%
MYASSET1	9/30/1999	-0.25%
MYASSET1	10/31/1999	1.79%
MYASSET1	11/30/1999	1.33%
MYASSET1	12/31/1999	3.14%
MYASSET1	1/31/2000	-1.41%
MYASSET1	2/29/2000	1.66%
MYASSET1	3/31/2000	2.96%
MYASSET1	4/30/2000	-1.10%
MYASSET1	5/31/2000	-0.67%
MYASSET1	6/30/2000	2.38%
MYASSET1	7/31/2000	0.47%
MYASSET1	8/31/2000	2.90%
MYASSET1	9/30/2000	-1.43%
MYASSET1	10/31/2000	-0.53%



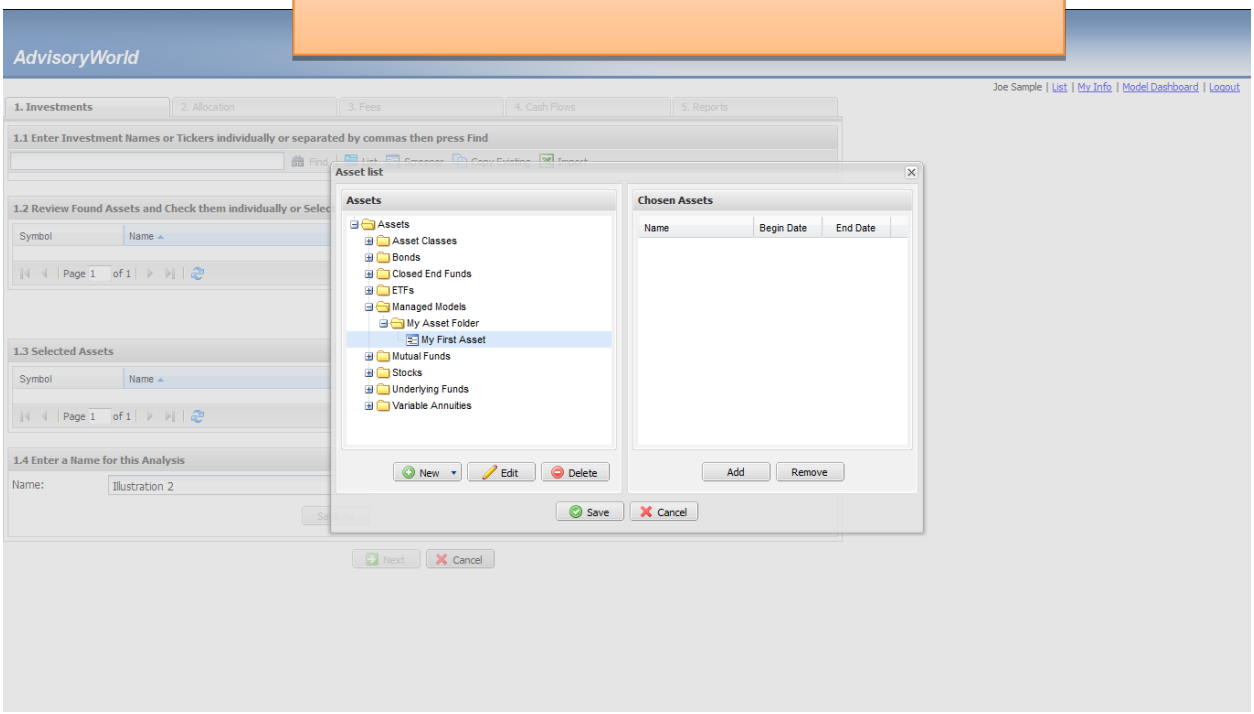

Microsoft Excel
asset_monthly_performance_import.csv may contain features that are not compatible with CSV (Comma delimited). Do you want to keep the workbook in this format?
• To keep this format, which leaves out any incompatible features, click Yes.
• To preserve the features, click No. Then save a copy in the latest Excel format.
• To see what might be lost, click Help.
Choose Yes
Yes
No
Help

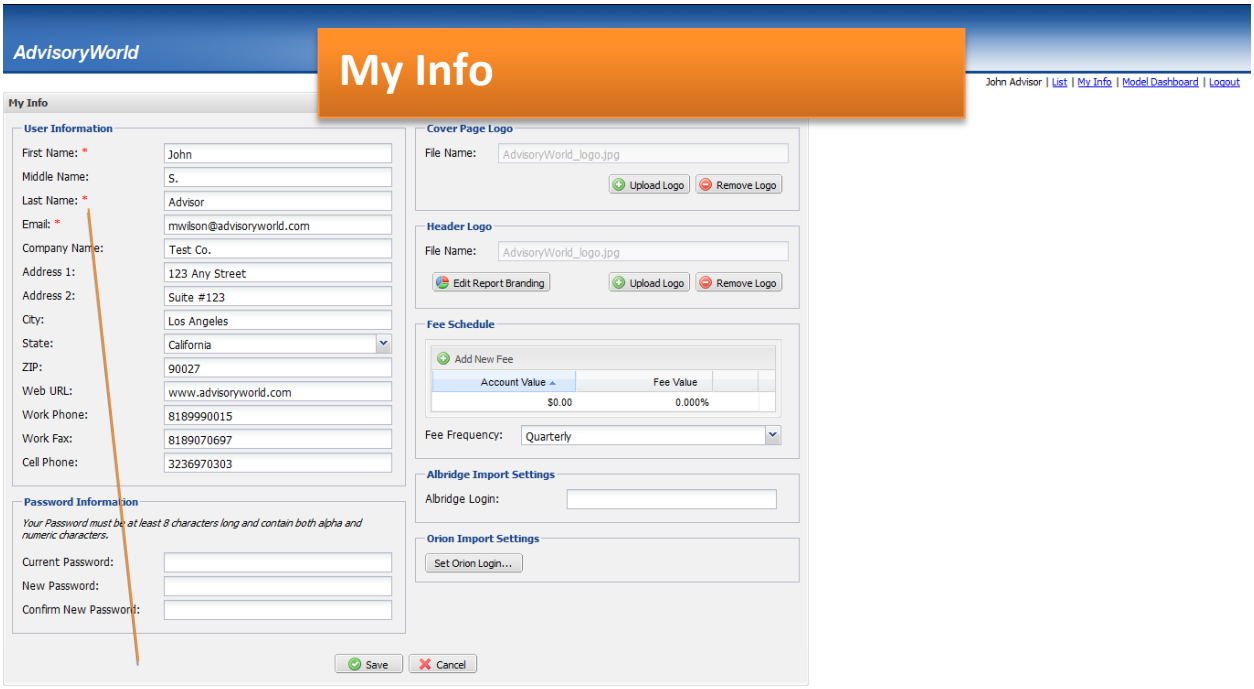

AdvisoryWorld
Asset Details
Basic Details
Name:
My First Asset
Ticker:
MYASSET1
Type:
Investment
Classification:
S&P 500 Reinvested
Historical Performance:
asset_monthly_performance_import.csv
Download CSV Template
FactSheet
Upload New FactSheet:
Remove Existing:
Save
Cancel
User Defined Fact Sheets are supported within the application.
Browse to and Import PDF files for any asset.


File Upload
Documents ▸ My Documents ▸ SCANalytics
Search SCANalytics
Organize
New folder
Favorites
Desktop
Downloads
Recent Places
Libraries
Documents
Music
Pictures
Videos
Homegroup
Computer
Documents library
SCANalytics
Arrange by: Folder
Name
Date modified
some_fact_sheet
1/4/2012 8:55 AM
asset_monthly_performance_import
1/4/2012 8:53 AM
Select the PDF file and press Open
File name: some_fact_sheet
All Files
Open
Cancel



Press Save and the Asset will be saved to the database, monthly performance and fact sheets will be imported if provided.





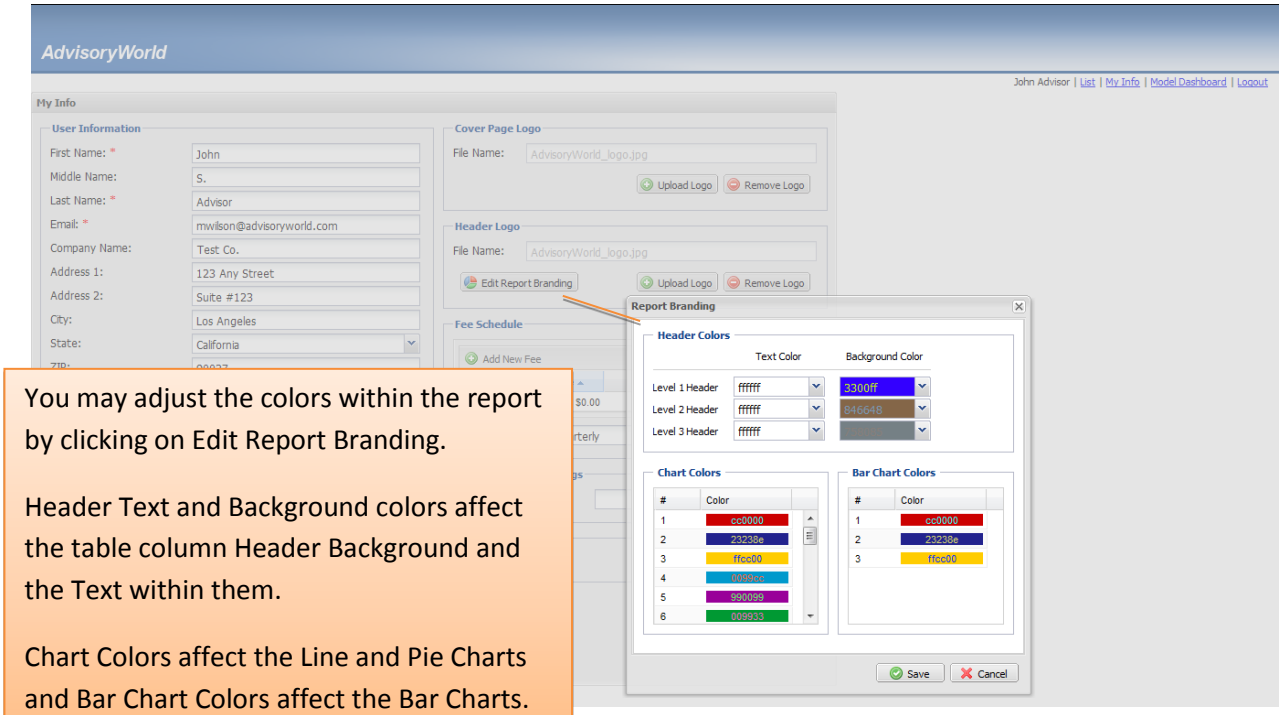
Enter User Information
First Name, Last name and Email Address fields are required

Cover Page Logo (displays on the cover page of reports)
Header Logo (displays in the header of all report pages)
Press Upload Logo to import a JPEG or GIF logo
File Name will display the stored, imported file

Password Information can be disregarded for Standard & Poor's users as all users are logged in seamlessly.

Press Add New Fee to add a tier to the (Advisory) Fee Schedule
Add Account and Fee Value the added fee tier
Advisory Fees are calculated as follows: Apply the first tier Fee Value to $0.00 to Fee Tier 2 Account Value ($99,999.99) etc.
The Account Value of the first row of the Fee Schedule is always $0.00

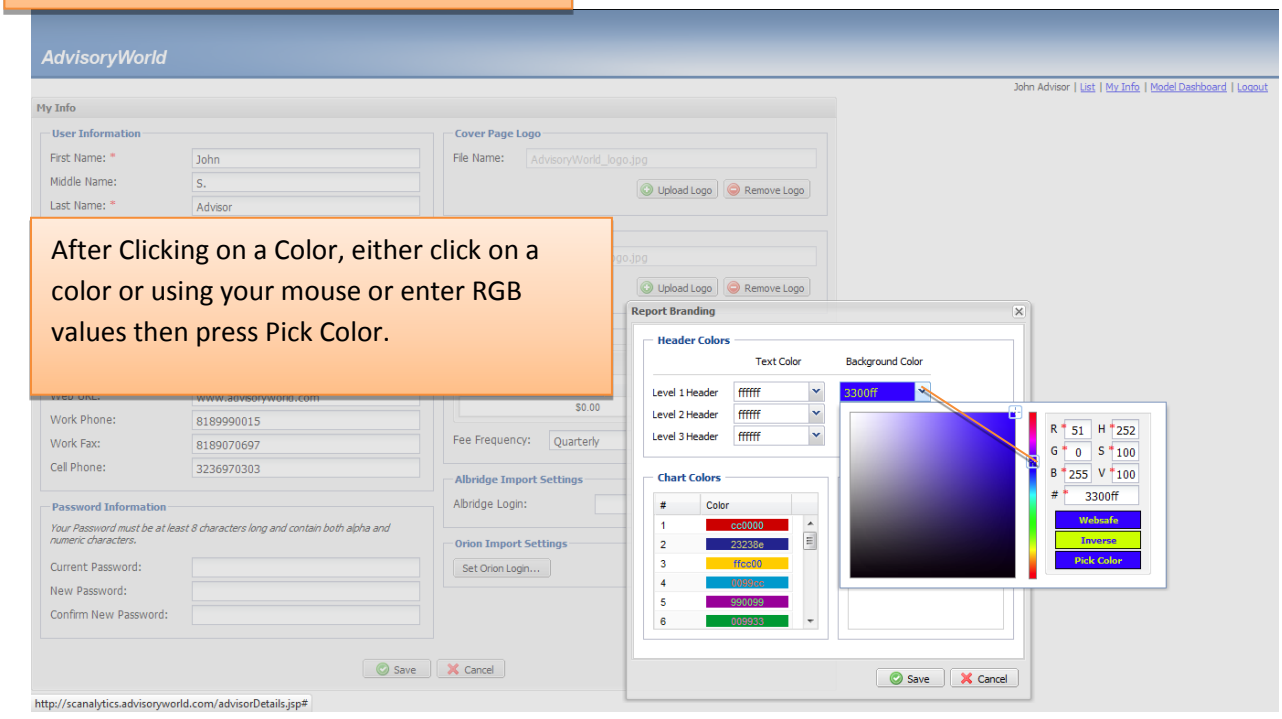
Select the Frequency with which to apply the Advisory Fees



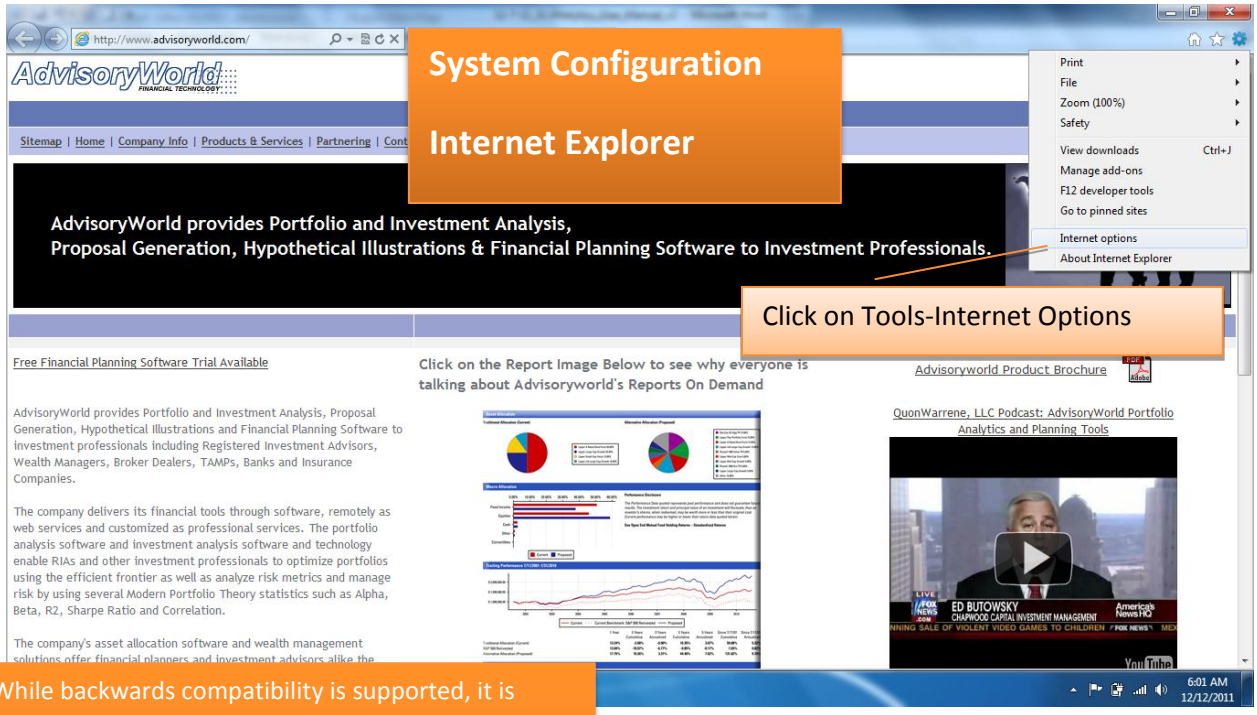
You may adjust the colors within the report by clicking on Edit Report Branding.

Header Text and Background colors affect the table column Header Background and the Text within them.

Chart Colors affect the Line and Pie Charts and Bar Chart Colors affect the Bar Charts.



After Clicking on a Color, either click on a color or using your mouse or enter RGB values then press Pick Color.


System Configuration
Internet Explorer
http://www.advisoryworld.com/
AdvisoryWorld
Sitemap | Home | Company Info | Products & Services | Partnering
AdvisoryWorld provides Portfolio and Investment Analysis,
Proposal Generation, Hypothetical Illustrations & Financial Planning Software to Investment Professionals.
Print
File
Zoom (100%)
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View downloads Ctrl+J
Manage add-ons
F12 developer tools
Go to pinned sites
Internet options
About Internet Explorer
Click on Tools-Internet Options
Free Financial Planning Software Trial Available
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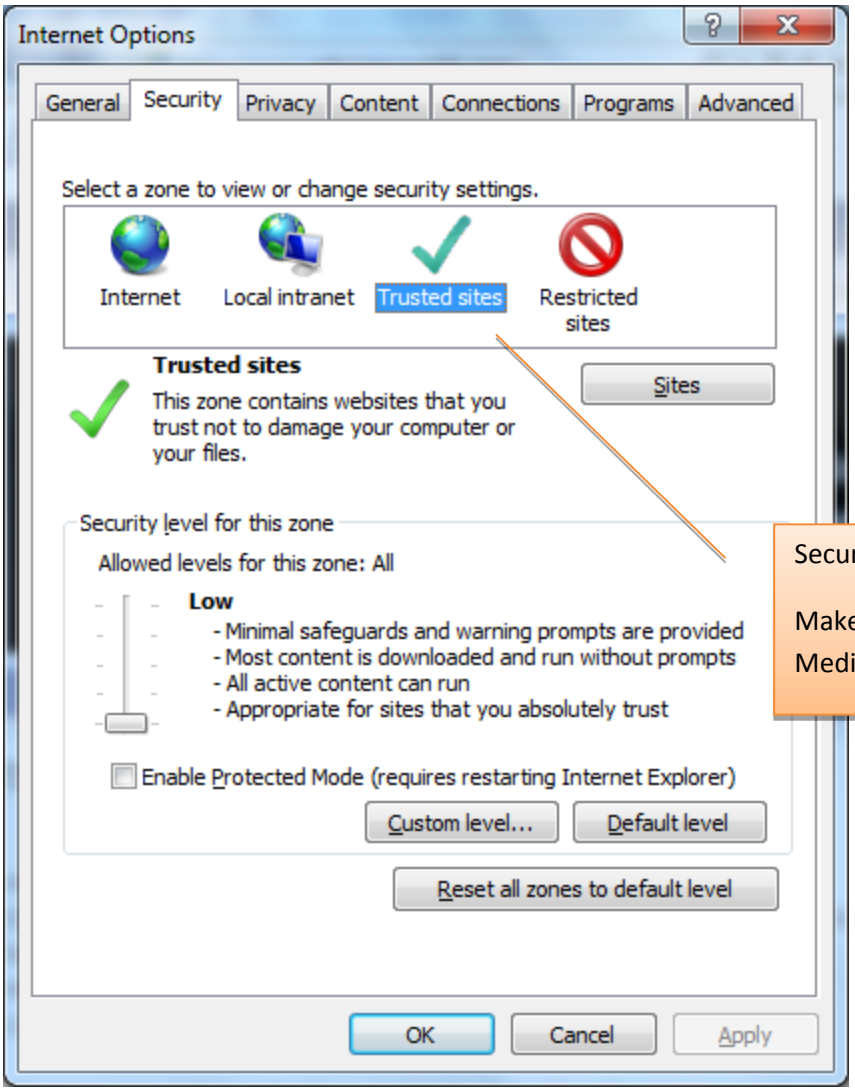
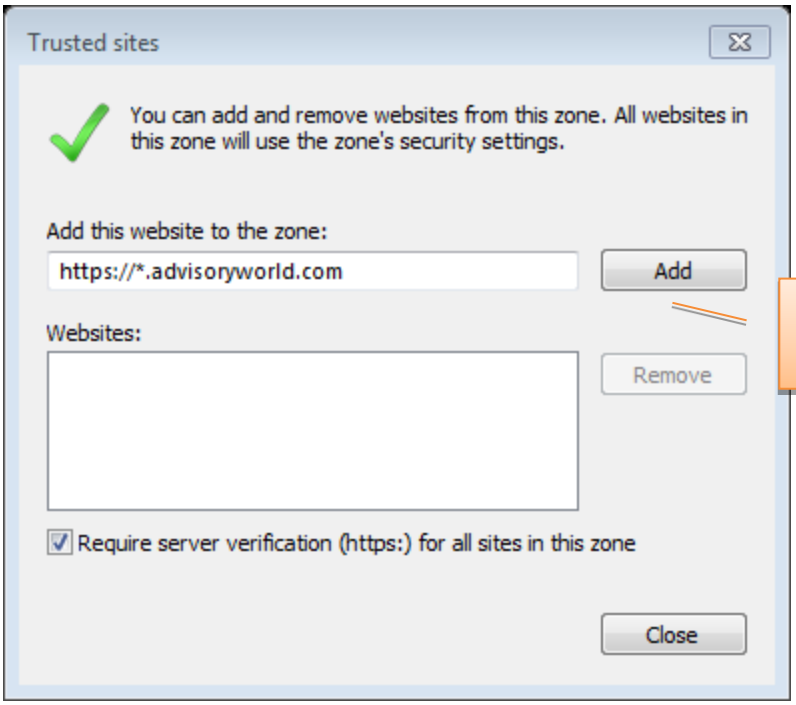
Advisoryworld Product Brochure
AdvisoryWorld provides Portfolio and Investment Analysis, Proposal Generation, Hypothetical Illustrations and Financial Planning Software to investment professionals including Registered Investment Advisors, Wealth Managers, Broker Dealers, TAMPs, Banks and Insurance Companies.
The company delivers its financial tools through software, remotely as web services and customized as professional services. The portfolio analysis software and investment analysis software and technology enable RIAs and other investment professionals to optimize portfolios using the efficient frontier as well as analyze risk metrics and manage risk by using several Modern Portfolio Theory statistics such as Alpha, Beta, R2, Sharpe Ratio and Correlation.
The company's asset allocation software and wealth management
QuonWarrene, LLC Podcast: AdvisoryWorld Portfolio Analytics and Planning Tools
ED BUTOWSKY
CHAPWOOD CAPITAL INVESTMENT MANAGEMENT
Americas News HQ
6:01 AM
12/12/2011

While backwards compatibility is supported, it is recommended to use the latest version of Internet Explorer and/or latest version updates to the version residing on your local computer.

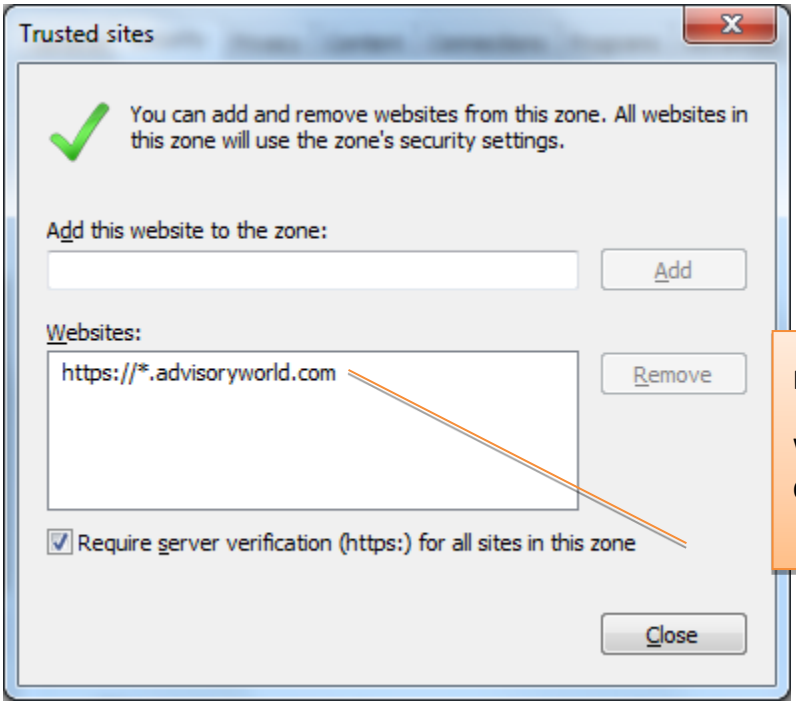


Security-Trusted Sites then press Sites.

Make sure that "Allowed levels for this zone" is Medium or less.

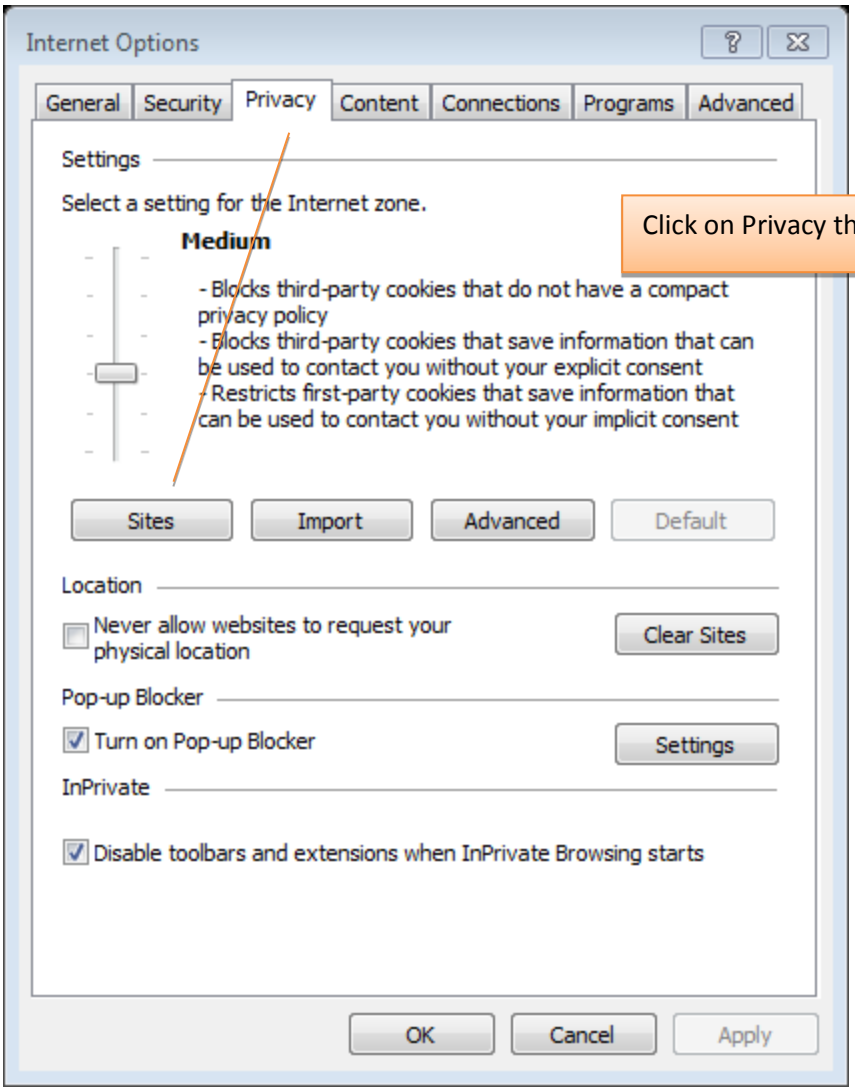

Trusted sites
You can add and remove websites from this zone. All websites in this zone will use the zone's security settings.
Add this website to the zone:
https://*.advisoryworld.com
Add
Websites:
Remove
Require server verification (https:) for all sites in this zone
Close

Enter https://*.advisoryworld.com then press Add.

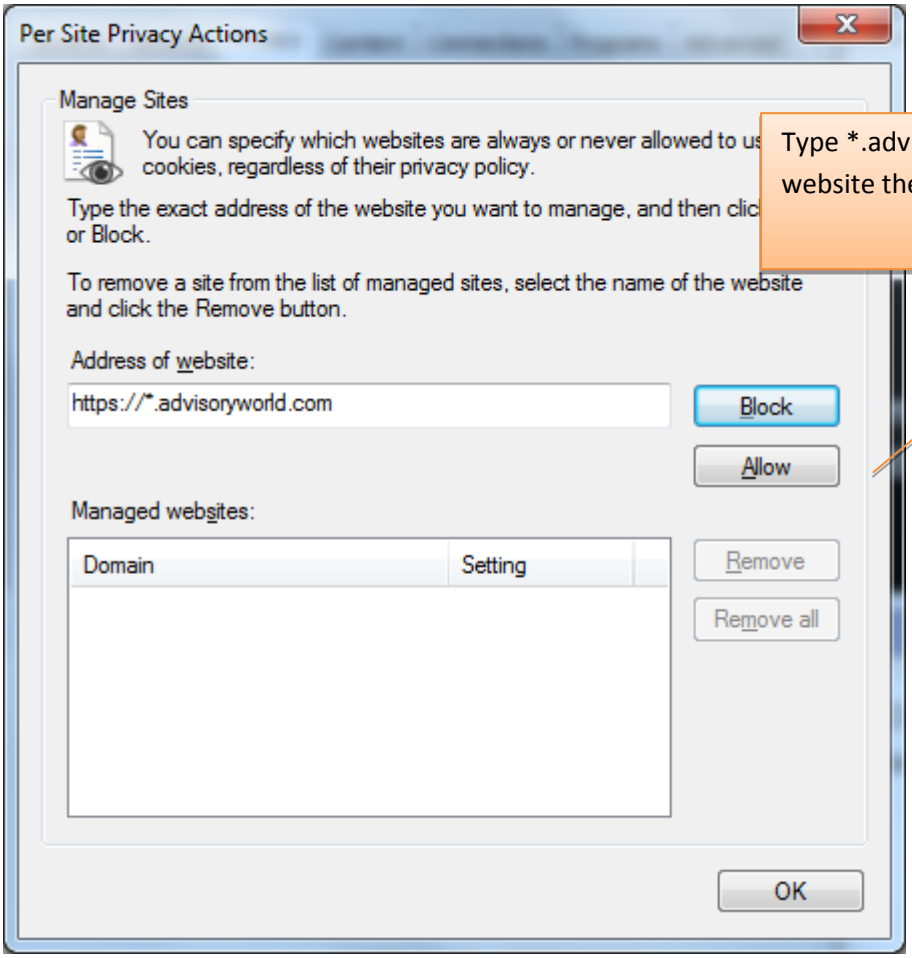

Trusted sites
You can add and remove websites from this zone. All websites in this zone will use the zone's security settings.
Add this website to the zone:
Add
Websites:
https://*.advisoryworld.com
Remove
Require server verification (https:) for all sites in this zone
Close

Press Close

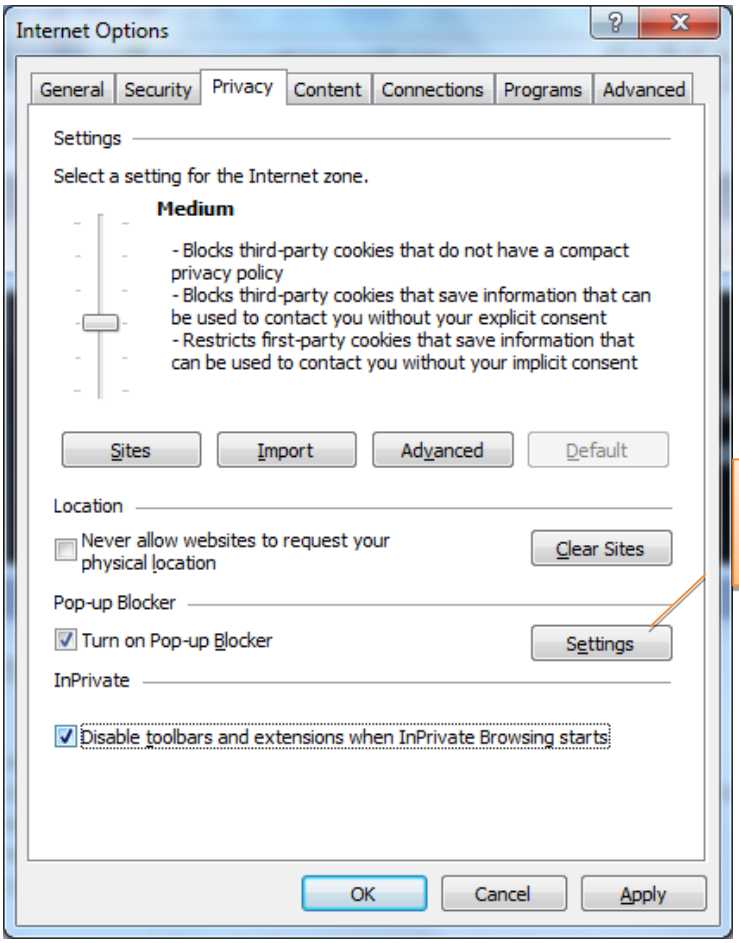
When finished, press Apply on the Internet Options page.



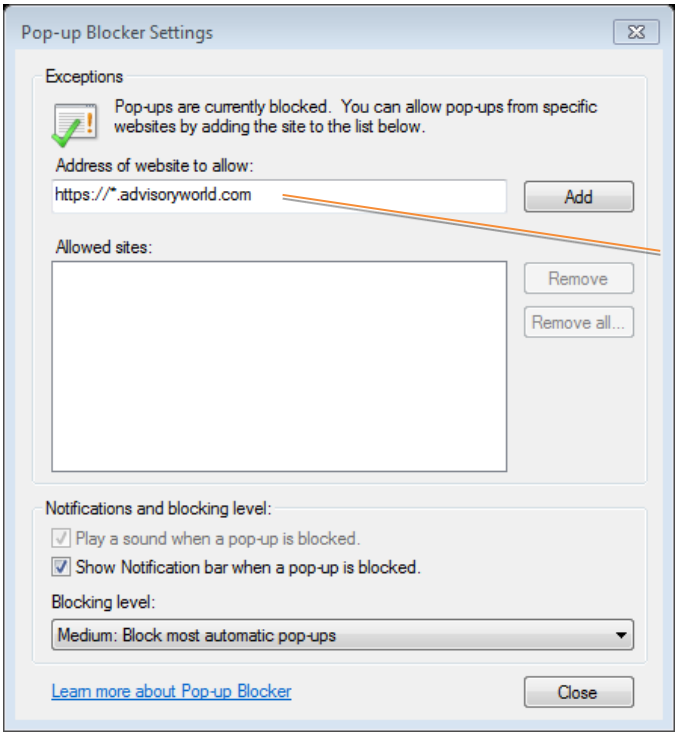
Click on Privacy then press Sites


Per Site Privacy Actions
Manage Sites
You can specify which websites are always or never allowed to us
cookies, regardless of their privacy policy.
Type the exact address of the website you want to manage, and then clic
or Block.
To remove a site from the list of managed sites, select the name of the website
and click the Remove button.
Address of website:
https://*.advisoryworld.com
Block
Allow
Managed websites:
Domain
Setting
Remove
Remove all
OK

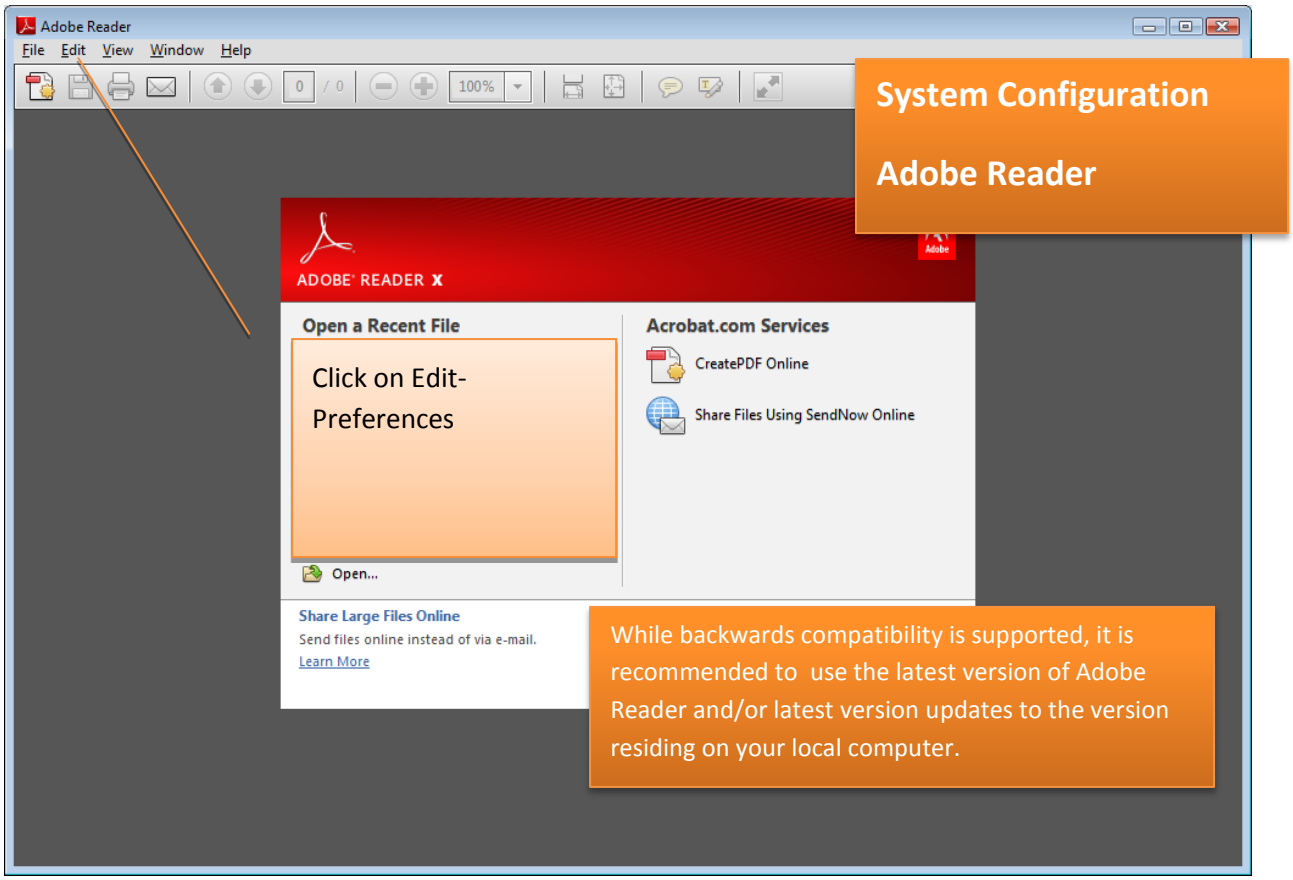
Type *.advisoryworld.com in the Address of website then press Allow then press OK.

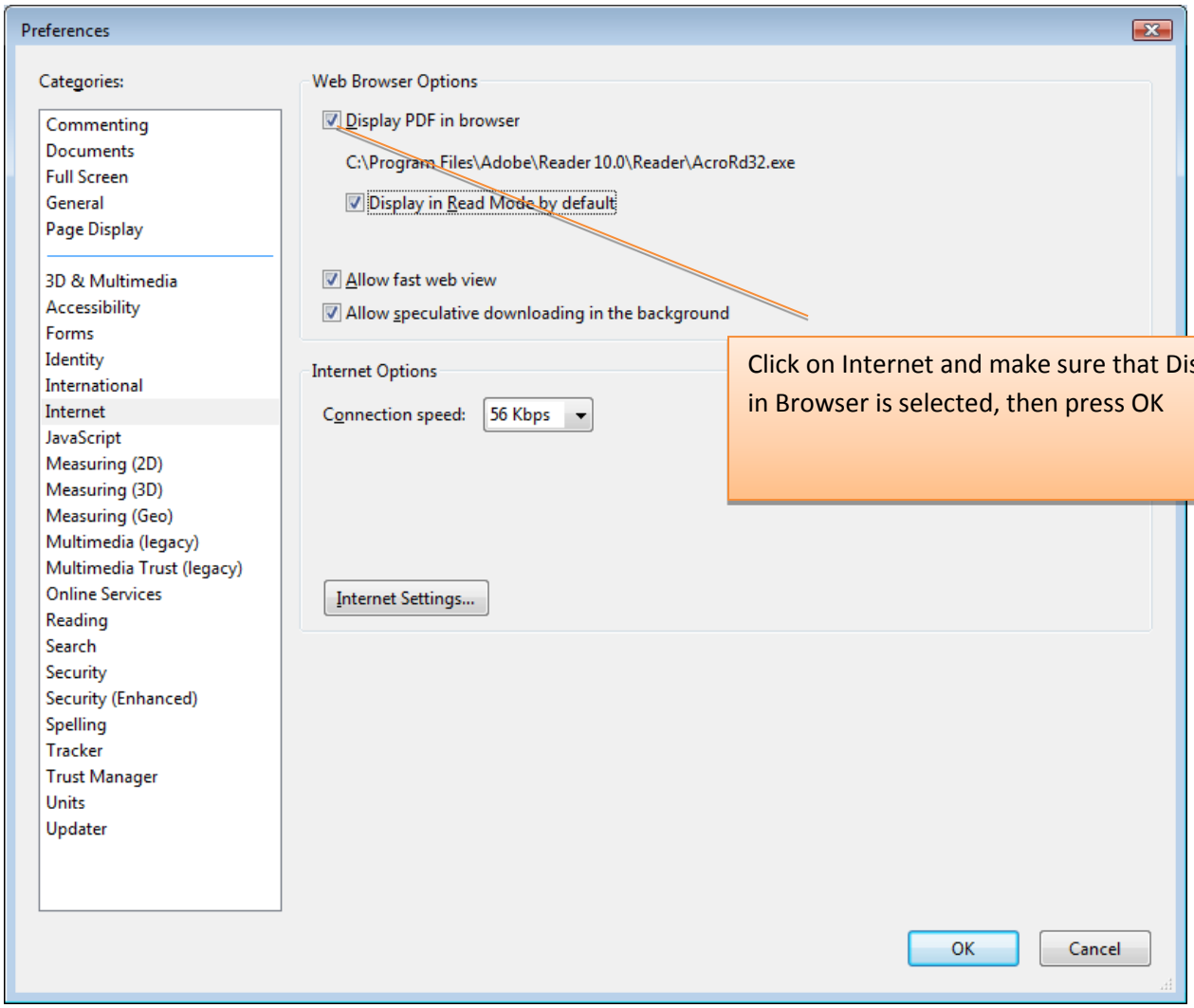


Click on Pop-up Blocker Settings


Pop-up Blocker Settings
Exceptions
Pop-ups are currently blocked. You can allow pop-ups from specific websites by adding the site to the list below.
Address of website to allow:
https://*.advisoryworld.com
Add
Allowed sites:
Remove
Remove all...
Notifications and blocking level:
Play a sound when a pop-up is blocked.
Show Notification bar when a pop-up is blocked.
Blocking level:
Medium: Block most automatic pop-ups
Learn more about Pop-up Blocker
Close

Type *.advisoryworld.com in the Address of website then press Add then press Close


Adobe Reader
File Edit View Window Help
ADOBE READER X
Open a Recent File
Click on Edit-Preferences
Acrobat.com Services
CreatePDF Online
Share Files Using SendNow Online
Open...
Share Large Files Online
Send files online instead of via e-mail.
Learn More
System Configuration
Adobe Reader
While backwards compatibility is supported, it is recommended to use the latest version of Adobe Reader and/or latest version updates to the version residing on your local computer.



Click on Internet and make sure that Display PDF in Browser is selected, then press OK